**Guideline for the preparation of a Research Proposal for a**

**SCIENTIFIC MASTERTHESIS**

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# Intro

As part of the processing of the master's theses, 3 mandatory appointments with Prof. Kovacic, in addition to the ongoing corrections with the responsible university assistant are required:

- The presentation of the research proposal for approval

- Intermediate presentation

(after the first research results have been delivered)

- Final presentation - at least 4 weeks before submission to the dean's office

Important to note:

The written work or documents must be sent digitally at least **2 weeks** before the intermediate presentation.

The final version of the diploma thesis must be sent digitally **4 weeks** before submission to the dean's office for final correction and feedback.

Submission to the institute: In addition to the digital version of the diploma thesis (in the form of a ZIP file including: PDF of the written work, PDF of the thesis-presentation, all documents and assessed data)

1 bound copy must be submitted to the institute (to be kept at the institute) at the time Prof. Iva Kovacic's signature is obtained for grading.

# Synopsis

Abstract – Summary of the thesis in 5-6 sentences

# Problem Statement

Describe the initial situation and the specific problem to be addressed in the project

Provide brief description of the State of the Art and State of the Research in the area (Literature Review).

# Research Objective

Presentation of the goals and objectives of this research.

What specific questions should be answered by this work?

Research question: what is to be researched? Identification of the research gap.

# Methodology and Procedure

In this section, the methodology and procedure used to achieve the research objective are to be described.

How should the research question be answered? (e.g. qualitative social-empirical methodology - guided interviews; quantitative social-empirical methodology: surveyand statistical analysis; measurement, modeling, simulation, scenario development, etc.).

A diagram/sketch of the research process with individual steps and associated methods should be presented (research design).

# Intended results

Presentation of the intended research results.

In which areas can the results be used?

# Performance and goal agreement

Brief overview of the personal motivation and the planned use of time and resources in form of a time schedule (rough schedule with milestones).

The rough schedule shall include the following items:

* the contents of the individual work steps,
* the expected results over time
* milestones