Proposal Bachelor's Thesis

Development and Evaluation of a Hybrid Approach for Automated Error Detection and Classification in LoRaWAN-Based IoT Data Pipelines Using Log Data

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1. Problem Area

2. Task Description

3. Research Questions / Hypotheses

Main Research Question: Sub-Questions:

4. Methodology

5. Kind of expected results

5.1. Overview Research Questions - Methodology - Expected Results

Research questions / (hypotheses)	Method(s) per research question	Expected kind of result per method
RQ1: ...	...	...
RQ1: ...	...	...
RQ2: ...	...	...
RQ3: ...	...	...
RQ4: ...	...	...

Table 1: Mapping research questions to methods and expected results.

6. Timetable

6.1. Milestone Plan

Nr	Name	Plan	Adapted by	Actual Date
M1	...	...	...	...
M2	...	...	...	...
M3	...	...	...	...
M4	...	...	...	...
M5	...	...	...	...

Table 2: Milestones plan vs. actuals.