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| |  |  | | --- | --- | |  |  | | Modul ID | PSA | | Modul Name | Project Specification Assignment | | Course | e.g. WINF\_11 | | ID | [student ID number] | | Author | [academic degree] [first name] [last name] | |  |  | | Company | MyCompany | |  | **Your Company LOGO** | |  |  | | Title of the Paper | Optimization of an IoT Infrastructure and RFID solution for faster inspection and Inventory of incoming goods (supplier integration) | |  |  | | Mentor University (PKB1) | [academic degree] [first name] [last name] | | Mentor Company (PKB2) | [academic degree] [first name] [last name] | |  |  | | Editing Period | [yyyy-mm-dd] – [yyyy-mm-dd] | |  |

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List of Abbreviations

Fig. Figure

Tab. Tabelle

# INTRODUCTION (app. 1 PAGE)

* What are the key framework conditions for your company and your project?
* What are the markets? Who are the customers? Who are the suppliers?
* How is your project embedded within the framework?
* What are the basic goals of your project

# PROBLEM (app. 4 PAGES)

* What is your specific problem? What does not work? Where is the concrete need for a solution?
* Big Picture: Which actors, departments, systems are involved? Visualize and identify the interfaces, relationships, or elements where central problems appear.
* Are there existing approaches or solutions in theory and/or practice that can be built upon? What factors contribute to the complexity of the problem?
* What are the benefits? Are there concrete savings and how can you measure and proof them (e.g. Weighted Sum Model, Multi Criteria Decision Analysis)?

# METHODS (app. 5 PAGES)

* What is your overall approach (classic, agile, PDCA, CIP, ...)
* What PM methods and tools are you going to employ (Org structure, PSP, Working Packages, Gantt, Milestones, ...)? Why do you choose these methods and why are they suitable for the specific project?
* Is there a need to adapt traditional PM methods in regard to the problem?
* What further analyses will you carry out and why or why not (Stakeholder, PESTL, SWOT, Risk, Resources, ...)
* Besides the Project Management methods (as possible): what theoretical foundations and models are relevant for understanding the concrete problem? What could be leading research questions during your project?

# TRANSFER (app. 10 PAGES)

* What does the concrete implementation of the selected project management methods and tools look like in relation to your specific project and problem?
* How will you measure success? How will you analyze utility value?
* Consider following topics: Project organization, project plan with work packages, time line, milestones, stakeholders, project risks and mitigation, utility value analysis (quantitative and/or qualitative)
* Justify your considerations, particularly your assessment of stakeholder attitude/influence, project risks and utility value analysis

# CONCLUSION (max. 1 PAGE)

* What are the main results of your paper?
* What may be unforeseeable challenges to deal with in the future?
* What could be potential steps after successful project completion?

# ****Instructions for Using the Template for Academic Papers****

The provided templates are intended to **support** the structured development of your academic or transfer paper. They are offered **solely as recommendations** and do not constitute a binding standard. Please read the following notes carefully:

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## Headline 2

### Headline 3

Standard Text with Footnote[[1]](#footnote-1)

* Bullet Point List Level 1
  + Bullet Point List Level 2

Fig. – Description oft he figure

Tab. – Description of the table

### Big Picture, Example



Fig. 2 – Example Big Picture, project context

* (1) ca. 900 Anwender, ~150 Anfragen pro Tag, Kontext, Inhalt hochgradig spezifisch
* (2) Anfragen per Mail oder Portal;
* (AI) – aktuell “human” Scheduler/Router; Ziel: Training und Implementierung einer AI, die in Abhängigkeit von Strukturdaten Best Guess Antworten ableitet (3) und Anfrage an das richtige Solution Team routet
* (4) Aufbereitung von Antworten für eine Knowledge Base – kontinuierliche Verbesserung von (3)

Bibliography

Appendix

1. Footnote [↑](#footnote-ref-1)