Marko Prelevikj
Trg Prekomorskih Brigad 11, 1000 Ljubljana, Slovenia
Study programme: Computer and information science, MAG
Enrollment number: 63130345

Committee for Student Affairs
Univerza v Ljubljani, Fakulteta za računalništvo in informatiko
Večna pot 113, 1000 Ljubljana

The master's thesis topic proposal
Candidate: Marko Prelevikj

I, Marko Prelevikj, a student of the 2nd cycle study programme at the Faculty of computer and information science, am submitting a thesis topic proposal to be considered by the Committee for Student Affairs with the following title:

Slovenian: **Vodenje projektov na podlagi analize podatkov**
English: **Data Driven Project Management**

This topic was already approved last year: ***NO***

I declare that the mentor listed below have approved the submission of the thesis topic proposal described in the remainder of this document.

I would like to write the thesis in English with the following reason: I am a foreigner and more experienced with writing in English.

I propose the following mentor:

Jure Demšar, doc. dr.
University of Ljubljana,
Faculty of Computer and Information Science
jure.demsar@fri.uni-lj.si

Ljubljana, 10. november 2019.

Proposal of the masters thesis topic

1 The narrow field of the thesis topic

English: agile project management, task workflow analysis

2 Keywords

English: agile project management, project management support tool, quantitative analysis

3 Detailed thesis proposal

Past approvements of the proposed thesis topic:
The proposed thesis has not been submitted nor approved in previous years.

3.1 Introduction and problem formulation

Project Management Information Systems (*PMIS*) provide different forms of structure to the projects which support *project managers*' (*PM*) task of monitoring and optimizing the organizations processes. Whereas the *PMIS*'s role is to keep the data well-structured and easily manageable, the *PMIS* usually provide only a low level of reporting capability. The basic reports and the visualizations provided by the *PMIS* do not provide much semantic insight from the underlying data, which is often of critical significance.

3.2 Related work

[1]

3.3 Expected contributions

The final outcome of the research is expected to be a *Project Management Support Tool* (*PMST*) which offers targeted benefits to both project managers and developers which

are not yet offered as such.*PMST* helps project managers in optimizing the enterprises' projects' workflows, identifying outliers within the organization, and identifying implicit shift of priorities of tasks. On the other hand, the *PMST* offers developers a tool for maximizing the productivity within their existing workflow.

3.4 Methodology

3.5 References

[1] L. Raymond, F. Bergeron, Project management information systems: An empirical study of their impact on project managers and project success, International Journal of Project Management 26 (2) (2008) 213 – 220. doi:https://doi.org/10.1016/j.ijproman.2007.06.002.
URL http://www.sciencedirect.com/science/article/pii/S0263786307000981