

# Topic suggestion for degree project in software engineering

Topic	Name	Evaluating Agile Maturity Models
	Keywords	Agile, maturity models
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In collaboration with industry		Yes. However the students will have to find their own industry contacts.

## 1 Introduction

There are over 50 Agile Maturity Models that have been proposed [1, 2]. Many of them suggest that Agile practices, e.g., sprints, daily stand-up, etc., are to be implemented in a certain order. However, currently little is known what are the benefits and limitations of implementing Agile practices in a certain order.

The aim of this thesis is to evaluate the benefits and limitations of implementing Agile practices given a certain order. The thesis entails examining of current literature in Agile Maturity Model and validate the findings from literature with empirical studies in industry.

*Note: This topic is suitable for a pair of students. Currently one student has expressed interest in the topic.*

## 2 Prerequisites

General knowledge in Agile methodology, e.g., XP or Scrum.

## References

- [1] O. Ozcan-Top and O. Demirörs. Assessment of agile maturity models: A multiple case study. In T. Woronowicz, T. Rout, R. O'Connor, and A. Dorling, editors, *Software Process Improvement and Capability Determination*, volume 349 of *Communications in Computer and Information Science*, pages 130–141. 2013.
- [2] T. Schweigert, D. Vohwinkel, M. Korsaa, R. Nevalainen, and M. Biro. Agile maturity model: A synopsis as a first step to synthesis. In F. McCaffery, R. V. O'Connor, and R. Messnarz, editors, *Systems, Software and Services Process Improvement*, volume 364 of *Communications in Computer and Information Science*, pages 214–227. 2013.