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PAPER PRESENTATION

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AMITS³: an Agile Product Line Engineering Approach

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Abstract:

Integrating Agile Software Development (ASD) with Software Product Line Engineering (PLE) has resulted the Agile Product Line Engineering (APLE) approach. The goal of combining the two approaches is to cover the weaknesses of each other while maximizing the benefits of both. However, combining these two successful approaches represents a big challenge in the domain of software engineering. Several APLE methods have been proposed to provide a practical process for applying APLE in organizations, but non of these methods cover all the required APLE features.

In this paper, we propose an APLE methodology called: Agile Method based on I-Tropos, Scrum and Scrumban for managing evolving SPL (AMITS³). The intention behind the engineering of this APLE method is to address the deficiencies identified in current methods, while making use of their advantages.