

Examining Flexibility in Scrum Under a Scientific Approach A Survey Study

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Abstract:

As both business and technological environments change at an increasing rate, flexibility has become a critical issue for project management in general and software development projects in particular. Software development projects took an important turn after the emergence of agile software development methods. Agility offers more flexibility as far as requirements and change management are concerned. In this study, the focus is placed on one of the most popular agile software development methods: Scrum. The goal of this research is to study and find the rigid and flexible parts of Scrum under a scientific approach. This means referring to mostly used taxonomies and concepts regarding software development processes and business process flexibility that can be found in literature. For this, we used a survey-based research approach, adapting questions that required advanced scientific knowledge to daily practices and examples that can be understood by Scrum professionals.