Abstract

Quality software is developed only when project management techniques are meticulous followed. Various metrics are introduced by the industry experts to execute perfect project management. The success rate of the projects is very meek when compared to efforts and expertise of the technical experts. Various reasons pitch in the scenario when the project failure reasons are searched. Scope creep is considered as one of the important factor which influences the success of project. The influence of the scope creep on its peer factors such as time, cost, personnel, etc is also noticeable. However, Applications which are developed in the industry are categorized as critical and non critical applications. This paper presents an investigation carried out on two important domains namely health care representing critical application and retail from a non critical applications background. This research has proven that though there is an impact of scope creep on both the categories of applications investigation analysis indicates that the impact of scope creep on critical applications is quite noticeable than upon the other. This knowledge works enable one to formulate effective scope creep management strategy in both the domains and more specifically in critical applications.
References

- Adam Trendowicz, Jürgen Münch, "Factors Influencing Software Development Productivity - State of the Art and Industrial Experiences", Fraunhofer Institute for Experimental Software Engineering, Fraunhofer-Platz 1, 67663 Kaiserslautern, Germany.
- Peter W. G Morris, "Managing Project Interfaces-Key Point for Project Success", Copyright © 1988 John Wiley & Sons, Inc.
- Per Bauer, "Introducing a Capacity Management Maturity Model", white paper, Team Quest Corporation EMEA.

**Index Terms**

Computer Science  
Information Sciences

**Keywords**

Software Engineering  
Project Management Process  
Software Quality  
Scope Creep  
Software Development Life Cycle.