Abstract

Changing requirements of customer needs establishes the need to analyze impact of requirement changes. For success of any software requirement analysis is very essential. In this paper, we propose a four stage method engineering process which aims at estimating impact of change. The process model described is a linear layered model. Impact sets are computed by analyzing dependency tractability relations with other connected method components. The results produced provide two type of information (a) added, deleted, modified methods (b) depth (extent) of impact on the system.

Reference

- Supakkul, S., Chung, L., 2005. A UML Profile for Goal-Oriented and Use Case-Driven Representation of NFRs and FRs. SERA’05.

**Index Terms**

Computer Science  
Software Engineering

**Key words**

Change impact analysis  
Method engineering  
Requirements traceability  
Situational method engineering  
Software testing