A Software Requirement Engineering Framework to Enhance Critical Success Factors for ERP Implementation

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Abstract

Requirement is the most critical success or failure factor for system. Enterprise Resource Planning (ERP) is one of the famous enterprise systems, and many studies focus on defining critical success factors (CSF) to reduce failing cases of ERP implementation and negative factors affecting not only the implementing company but also the ERP vendors.

Many papers have studied the CSF influence in ERP implementation but very little concern about requirement engineering (RE). This research will fill the gap by providing a critical review and developing an approach in software system engineering framework by taking account feedback from stakeholders. This original approach is how to deal with ERP failure through a depth relation related to requirement engineering traceability to CSF in a system engineering view (SOS) based on ANSI EIA 632 standard.

References


**Index Terms**

Computer Science

Software Engineering

**Keywords**

Enterprise resource planning; critical success factor; requirement engineering; collaboration engineering; standard EIA 632; System Of System.