

Integration of Requirement Engineering Challenges with Its Practices in Enterprise Resource Planning Systems

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Abstract

This study focuses on the problems and solutions that are useful and insightful evaluated. Requirement Engineering of the standard model of the process of life, in spite of the high degree of implementation, I know very little about the problems that arise and I make the process work better. And besides, many of these specific issues and discuss ways to improve them. I have tried to categorize the types of challenges because of their similarities are connected. And again, I talked about many of these general issues and their application to do so.

Keywords: Requirement engineering challenges for Enterprise Resource Planning systems; Practices for Requirement engineering of Enterprise Resource Planning; Better Requirement Engineering model for Enterprise Resource Planning; Enterprise Resource Planning Requirement engineering integration; Categorized solutions to the challenges of Requirement engineering in Enterprise Resource Planning systems.

1. Introduction

In many departments, organizations, and implement a wide variety of information, activities and computer systems of the house through the crowd. "Information islands", however, was interrupted by skillfully combined the lack of concrete information from the business performance, enterprise-class. In addition, the Director, care, one of the main expenses business. For example, older programs beyond 2000, the date cannot be handled properly, they are defined by high prices, or must be replaced. [3]

Business Analysts and IT knowledge difference between a developer for the information or not. The difference between these two actors and the development of knowledge chain, a lack of information or data calls. IT a basic problem is to identify emerging needs, often in the development of any system is one that relies more. This is where IT development for none, we can say that the development of software, it is always the case, more or less. The whole process of organization and IT across the organization so that all users of the system should be different, however, the problem may be. What is necessary for the IT organization's strategy, they should be a primary concern is to support execution information. [4]

Basically, any RE process off-the-shelf around, configuration and Settlement: begins with a series of overall conditions of business processes and facts, and then discover the basic Enterprise Resource Planning functions to watch how you fit the needs of data processing and organize. The RE generic model provides defined processes, showing actors in this process, outlining the steps to perform the task, work additions points, and provide basic help for Enterprise Resource Planning tool Requirement Engineering. [1]

Facilitate the flow of information among the various functions of the company's ERP software architecture. Also, ERP organizational units and geographical locations accessible Exchange of information. Reliable and consistent way around the information needs of the enterprise to enable decision-makers to achieve at this time. [3]

Integration of business functions and speed results in a significant increase in performance, facilitate communication and information exchange. Tight function of enterprise integration solutions to global best and the promise of quick and easy access to reliable information on the basis of the enterprise software industry, many are small has become a major part of the work. [6]

The organization recognizes the ERP to improve the competitiveness of enterprises is an important tool because it went flawless production and integration of ERP vendors, a traditional system of corporate ERP systems and support operations. ERP suffer limitations dealing with the problem of integration needs change, these restrictions, because there is no production organization, but many companies prefer to use one ERP manufacturer to contain the situation. At one point solution (filled this gap eleven releasing old ERP) to a higher level of integration and improve customer relations and overall supply chain performance. [5]

2. Material and Methodology:

I examined some of the problems after studying some research papers, practices adapted to issues such developments. In addition, there are several solutions for their determination in later paragraphs. These are the main problems with the electric model of the process is more important and the effect of ERP systems, in addition to these challenges, members of the discussion group with more customers' requirements, and customers / consumers at this stage of the software.

2.1 Team Coordination

The total value of the coordination group requirements engineering, as well as an important part of the ERP system. By definition, CP series of moral and looks stunning effective way. If not every day, with members of the project needs to collect any problems.

2.2 Deadline pressures

ERP is divided into sub-projects, all projects and sub-projects, such as the end of the period of time. Sometimes a team and put pressure on the project's impact on the rush.

2.3 Implementation Complexity

The implementation of sub-projects are very difficult to deal with the various components. Anywhere in the requirements and the project is the implementation of these standards when collecting it, this is a big problem.

2.4 ERP as software projects not as business initiatives

Most organizations do not operate ERP software projects that initiative. There is no doubt that the change of name of the business, but said that the software has been updated to business change projects.

2.5 Management of subprojects

There is need of dedicated project teams for managing subprojects in ERP systems.

An analysis organization composed of business process analysis and selection process line will be supported by the ERP system requirements. Since the company was acquired by the manufacturer believes that the best practices, build competitive strategy and objectives of the organization is especially important to select a system. [6]

Among the answers to success are planning Requirement Engineering model use in the client's context and installing processes to key Requirement Engineering activities. Requirement Engineering procedure in which the following influences apply:

- Many of the stakeholders to meet the needs and design objects, point to New Enterprise Resource Planning solution architecture components and construction bathroom already exists.
- Require certain large engineering team needs (for example, the reference models and molds) used in.
- Modeling of the business processes, communication, and the principal cause of a loop to a knowledge of the requirements of projects and evaluation of Requirement Engineering PUBLICA mix.
- The Constitution of business management and system-centered perspective, change houses and business groups to build new infrastructure usual.
- The quality of the requirements engineering team regularly, analytical procedures and data requirements confirmed, equipment and structural measures such as regular way again, and work practices of an organization such as the organizational measures to ensure the for. [5]

At this stage, these principles are all more or less, a major supplier of ERP components available for all models. The operation is repeated disciplinary activities with stakeholders, pressure, time and staff counseling and talking about how to effectively recognize.

2.6 Discussions and Findings:

In this context, we generated REM, generally considered unrepresentative Enterprise Resource Planning project, to see them as the first vice-rich initiative by changing work tasks, Enterprise Resource Planning is stable. Software second control complex operations, replacing each project on the basis of several factors that will be used. Third, we have a team dedicated to the project Requirement Engineering, we were appointed as members of the project team for personal and business documents Enterprise Resource Planning components that are responsible for starting Requirement Engineering cycle and delivery requirements. Each team with Enterprise Resource Planning processes associated with the part and ready to give more detailed information, one or two Enterprise Resource Planning consultants.

To easily secure methods are divided into groups and share their solutions to address their field, which is used to further improve the problem. The first three of disputes regarding planning, three related infrastructure related to three again, and finally, the five elements, which are associated with the process, which must be taken into account when it comes to the development a standard model.

3. Organizational Aspects of ERP Process Support

For the participation of interested parties and organizational issues, Enterprise Resource Planning Requirement Engineering the whole team creates and uses knowledge.

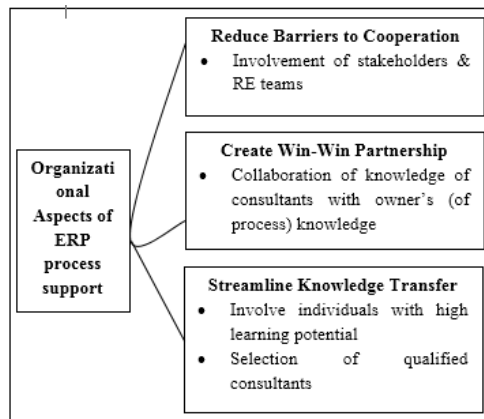


Figure 1 Practices falls under Organizational Aspects

1. Process Infrastructure Aspects

With proper process and is under attack, architecture, tools and procedures Requirement Engineering team more efficient and able to show a business plan.

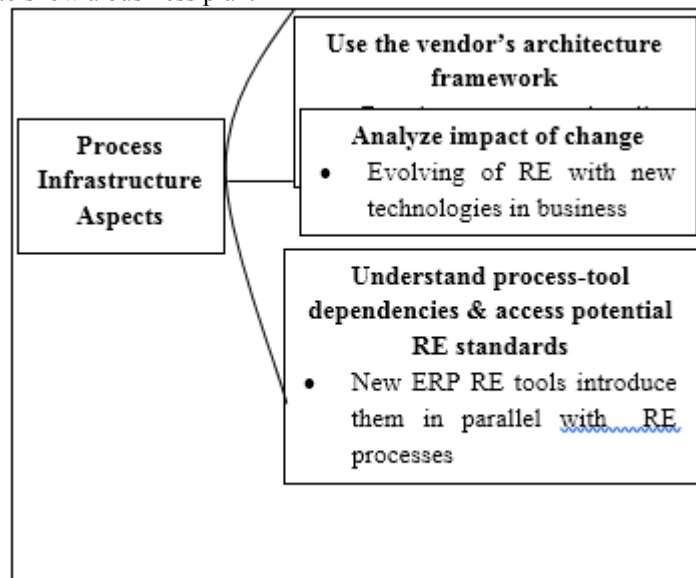


Figure 2 Practices falls under Process infrastructure

3 Requirement reuse Aspects

An Enterprise Resource Planning Requirement Engineering procedure starts with reuse ends with reuse and having reuse in every step and these practices describe that how reuse approach.

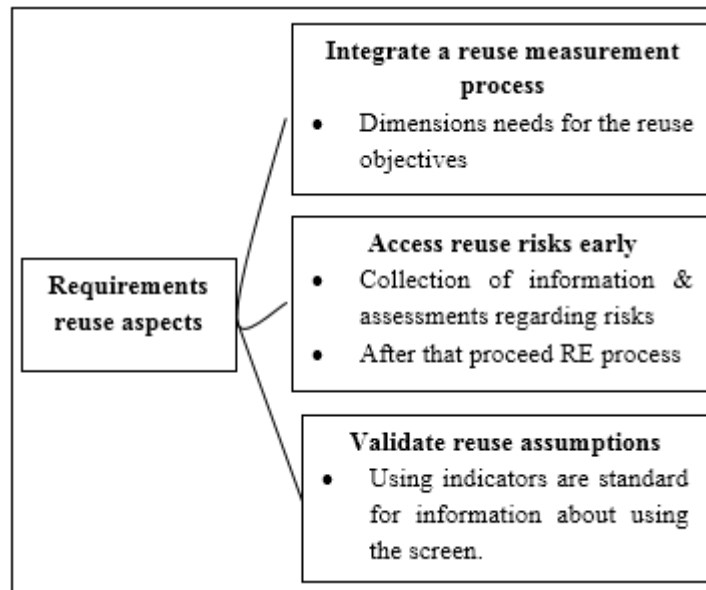


Figure 3 Practices falls under reuse aspects

4. Process Aspects

I hereby certify that the conditions defined in the process of verifying the technical requirements applicable.

Figure 4 Practices falls under process aspects

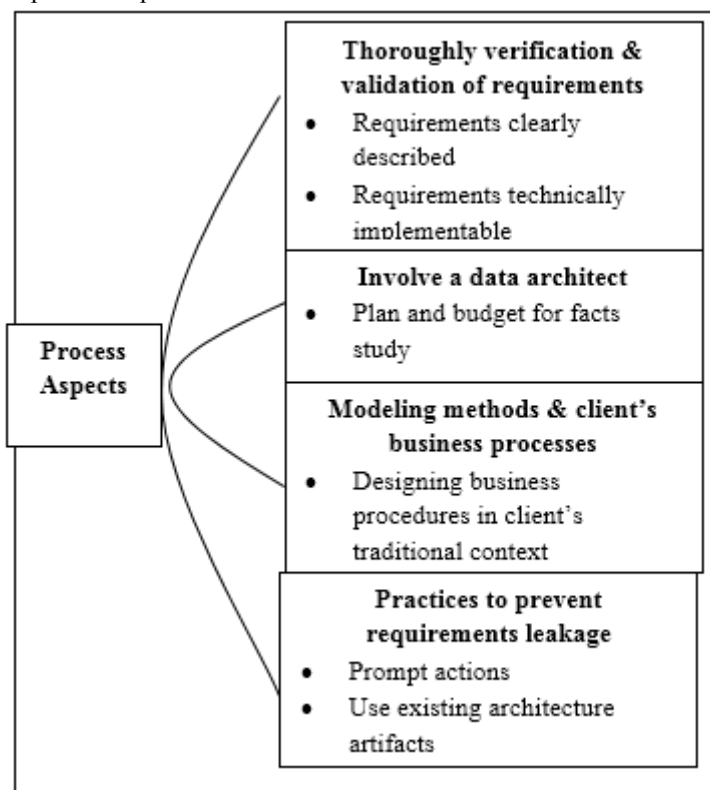


Figure 5 Practices falls under process aspects

4. Conclusion

After getting the meanings of these practices behind Requirement Engineering process an Enterprise Resource Planning Requirement Engineering process is all about. The key is to determine how to use standards, process methods, tools and procedures in client's organizational context. All Requirements

Engineering process issues can be easily handled according to their aspects which are mentioned in this paper.

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