

CEF 512: ERP System Engineering

Presenting the paper: *MANAGING
THE IMPLEMENTATION PROCESS*

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Abstract

Over pass years thousands of companies around the world have implemented Enterprise Resource Planning (ERP) system. However, implementing an ERP system is still a formidable challenge. Some companies have had very successful implementations while others have failed.

This paper empirically investigates and identifies key differences in the approach used by success versus none success company that have implemented ERP system.

The results indicate that many different factors ranging from preimplementation planning to system configuration influence performance, which managers should be sensitive about when implementing major systems like ERP.

What is Enterprise Resource Planning (ERP) ?

ERP system are enterprise-wide on-line or off line interactive systems that support cross functional processes using a common database.

Methodology used in this paper

The logistic regression which is a statistical technique where used in this paper based on 270 survey from US companies to analyze the success and failures of implementation of ERP systems.

Common and general challenges faced while implementing ERP systems.

- Completing the project on-time
- Completing the project within the budgeted resources.

Characteristics and important factors influencing successful ERP

- Well designed planning
- Senior executives team
- A cross-functional ERP Steering committee
- Great implementation team
- Modifications to the ERP system should be kept minimum
- Organization change and training strategies should be well define
- Key technology should be addressed
- The implementation plan and subsequent progress should be communicated regularly to employees, suppliers and customers

Conclusion

- The result from this investigation analytically confirm that for successful implementation of ERP system:
 - you need an upfront planning
 - cost estimation before start the implementation