

**Assessing Enterprise Resource Plan (ERP) Requirements at a  
Small and Medium Scale Construction Organization: A Case  
Study**

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## **ABSTRACT**

The manufacturing industry gave birth to enterprise resource planning. It offers a typical in work environment for a company to take part its main corporate administration operations with a unique central database, allowing for the sharing of information and effective communication across management departments.

Enterprise Resource Plan has traditionally been restricted to major businesses in the construction industry. Small to mid-size construction businesses make up a large fraction of construction firms that have either failed to deploy or are unfamiliar with this technology.

The objective of this article is to give a decision-making mechanism for place in order enterprise resource planning module deployment. This study lays out a step-by-step plan for implementing an Enterprise Resource Plan system in the construction sector. This research created a four-step procedure for deploying Enterprise Resource Plan system in the correct order. The first step identifies the most widely utilized Enterprise Resource Plan system modules in the construction sector.

In the second stage, the projected advantages of ERP adoption are specified. In the third stage, the significance index (I) will be defined. The primary findings of the study include a complete list of thirteen ERP modules graded by their use in the Sri Lankan construction sector. Out of thirteen modules, inventory control and logistics, procurement, and project finance and accounting were in top three places.

**Key Words:** Enterprise resource planning system, Construction Enterprise resource planning system, Small and medium scale enterprise, Cloud Enterprise resource planning system, Vendors of Enterprise resource planning system.

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## List of Acronyms

Acronym	Description
BI	Business Intelligence
CERP	Construction Enterprise Resource Planning
CIDA	Construction Industry Development Authority
EDB	Sri Lanka Export Development Board
ERP	Enterprise Resource Planning
IT	Information Technology
MRP	Material Requirement Planning
RTBI	Real Time Business Intelligence
SME	Small to Medium Scale Enterprises

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