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Abstract
There are a lot of complicated factors affecting the success of an Enterprise Resources Planning (ERP) project. These factors can be divided into controllable and uncontrollable ones. For instance, the schedule management, the allocating resources and the method of implementation are controllable. Once the ERP system and vendor are decided and unchangeable, the ERP itself will become the uncontrollable factor.
Unless we abandon the ERP project and restart it again, otherwise the project must proceed and go on continuously. If ERP system is suitable for the enterprise, the degree of customization can be reduced.
However the customization is the most significant factor that delays implementation schedule and increase more cost than budget. If the functions of ERP system do not fit the requirements of an enterprise it will cause the extreme large degree of customization. To select an adequate ERP system fit for company’s functions is the first step towards the success of ERP project, and further improve the performances of enterprise with ERP system. The most important key is to choose an industry-specified ERP system and to implement it actively, but little research focuses on it.
This study emphasizes the concept of an industry-specified ERP system, using traditional machinical industry as the research object and considering the process of implementation of ERP system. We take account of the major dimensions and critical modules of ERP system during the selection period. This paper expects to provide flat steel industry an objective method for selection of critical functions and needed modules. It can help flat steel industry choose the most applicable ERP system effectively, and increase the probability to implement ERP successfully. Finally, some suggestions were provided for ERP system vendors to consider the requirements of different types of industries, especially the traditional machinical industry.
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