Database in Warehouse Automation for Electrical Goods

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DEDICATION

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Abstract

The database is an integral part use in automation applications. Almost every automation application uses a backend database to store information. This relieves the developer of the application from burden of developing a data store and at the same time makes the application portable as the application can cater to the increase in demand just by changing the back end database.

Warehouses are becoming very important with the development of ecommerce. The warehouses that were located closer to the stores for easy accesses have been moved away to remote destinations and the size of the warehouses have increased manifolds due to the increase in demands.

Hence the automation of the warehouse operations has become essential to increase the productivity and to meet the customer expectations promptly.

This study presents the database design and development for a web based warehouse system management system. The design of the system was carried out according the industry standards using Unified Modeling Language and the prototype was implemented using JSP and Microsoft SQL Server 2005. The system was tested for usability using a sample of real warehouse administrator. Their responses were collected using a detailed questionnaire and analyzed using SPSS 16.0

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CHAPTER 1: Introduction

1.0 Introduction

To simplify the meaning of automation, it can be considered as control over the System, for instance, numerical management programmable handle logical use, and so on. Other Information technology applications like as computer served design and technology using a computer, computer-aided manufacturing computer with technology Industrial Control System Concert. In such a situation, the kind of Scope of industrialization, mechanization and automation is a step beyond. Light machinery provides a mechanism to help the muscles to work requirements, their human operators; automation greatly reduces the sensory demands of the human soul, and need. Processes and arrangement can be computerized. (Dictionary, 2010).

There has been noticeable increase in the automation and which has been increasing the business rapidity and by such increasing global economic role on a daily basis. Humans work load in industrial processes currently slouch away from the scope of computerization. Human being level blueprint identification, speech detection, language capability is far more than the production of modern machinery and computer systems which demanding a sky-scraping stage activities, like as strategic scheduling, presently need human proficiency. In various cases, human utilize, the cost is further efficient than automatic, industrial automation tasks yet if it is possible (www.actel.com).

The contents of the thesis is for internal user only

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