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Citrix and Web Based Production Visibility System

For

Northsails – Sri Lanka

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The Dissertation is submitted to the Faculty of Information Technology, University of Moratuwa, Sri Lanka for the partial fulfillment of the requirement of the Degree of Master of Science in Information Technology.

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Declaration

I declare that this dissertation is my own work and has not been submitted in any form for another degree or diploma at any university or other institution of tertiary education to the best of my knowledge and belief. Information derived from the published or unpublished work of others has been acknowledged in the text and a list of references is given. I also hereby give consent for my dissertation, if accepted, to be made available for photocopying and for interlibrary loans, and for the title and summary to be made available to outside organizations.

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Date : 27-04-2013

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Date : 27.04.2013

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Abstract

Citrix and web based Production visibility system was the title of the final project chosen to develop for North Sails Sri Lanka for the complete the project requirement of the MSc in Information Technology of the University of Moratuwa.

North Sails has become the world leader in sail making through an ongoing commitment to making sails that are faster, lighter and longer lasting than any other sails in the world. More than fifty years ago, a sail loft opened at the B-Street Pier in downtown San Diego, California. The space was living-room size at 15 feet by 40. "It was a little dusty and dirty but big enough to build a Star-boat mainsail," commented Lowell North, the owner.

North Sails is using the Microsoft Dynamics Great Plains ERP system for the business. Users are accessing the ERP system through a remote server environment called Citrix from worldwide. There are 23 different brother companies worldwide. This project is on the company which is operating in Sri Lanka.

The major weakness of the current system is there is no way to track the productions status of a manufacturing item, once it is in the production and the current system is a manual work. It is almost impossible to do the scheduling of the production correctly at time due to this reason. Customers are losing their comfort with the company because of these reasons.

For overcome the above issues, the production visibility system was proposed. That system will work to solve the company problems mentioned in above sections.

Once the sales orders received to the customer service of the company customer service reps are enters those in to the ERP system. After that they will enter the respective manufacturing orders for those. Once those are entered in to the system production scheduler schedule the production according to their priorities. They can arrange their schedules with the aid of the proposed visibility system. Once those are scheduled and in the production any of the end users can monitor the status of the WIP production.

Production supervisors can update the production status via handheld barcode devices when the production is going on. The facility is providing in the proposed system for this which is not in the ERP system. Also the production supervisors should provide the information about their labor capacity at earliest they can to the production schedulers.

By implementing the proposed system most of the issue will solve. Same time the company can gain hidden benefits like Customer satisfaction, internal user satisfaction, arrange the production schedules correctly, more labor time saving, etc.. So based on those factors company can earn more profit by implementing the proposed system.

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