RFID APPLICATION FRAMEWORK

FOR

THEME PARK MANAGEMENT SYSTEM:

SUNWAY LAGOON THEME PARK

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By

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DECLARATION

I certify that all the work described in this dissertation was undertaken by myself (unless otherwise acknowledged in the text) and that none of the work has been previously submitted for any academic degree. All sources of quoted information have been acknowledged through references.

Chong Kon Ming
May 2008

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ABSTRAK

Teknologi Pengenalan Frekuensi Radio (RFID) membolehkan data ditransmisikan oleh alat kecil yang mudah alih dipanggil “Tag” yang akan dibaca oleh pembaca RFID and diproses mengikut keperluan tertentu. Teknologi sedemikian hanya mula bertapak di pasaran dunia baru-baru ini. Analisis menjangkakan bahawa RFID akan mencetuskan revolusi terbaru dalam bidang industri seperti Pengurusan Rangkaian Pembekalan (Supply Chain Managment (SCM)), Pengurusan Perhubungan Pelanggan (Customer Relationship Management (CRM)) dan perniagaan runcit (retail business) melalui pengurusan stok yang lebih sempurna dan justeru itu, mengurangkan kos. Thesis ini mengfokus ke atas penggunnaan rangka teknologi RFID di dalam Sistem Pengurusan Taman Tema (Theme Park Management System).

ABSTRACT

The technology for Radio Frequency Identification (RFID) enables data to be transmitted by a tiny portable device, called a tag, which is read by an RFID reader and processed according to the needs of a particular application. It is only recently that the technology has begun to take off in the mass market. Analysts predict that RFID will revolutionize areas of industry, such as Supply Chain Management (SCM), Customer Relationship Management (CRM), and the retail business, for example by reducing costs with better stock management. This paper focuses on the application of RFID technology framework in Theme Park Management System.

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