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# Parking Management Simulator (PMS)

Achintha Kumara Hettiarachchi

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Dissertation submitted to the Faculty of Information Technology, University of Moratuwa, Sri Lanka for the partial fulfillment of the requirements of the Degree of M.Sc in Information Technology.

July 2010

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## Declaration

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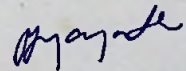
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(Supervisor)

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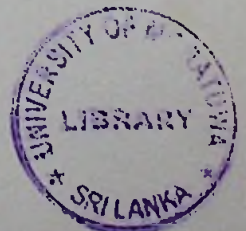
## Abstract

Information and communications technologies (ICT) play a vital role in any organization. Well-structured ICT is the backbone that will enable the organization to deliver services effectively and efficiently.

Asiri group of hospitals is operating in private health care sector and consists of three hospitals. They are Asiri Hospital PLC, Asiri Surgical Hospital PLC and Asiri Hospital in Matara. In order to maintain its leading position in private health care sector, it always tries to incorporate with modern technologies and ICT.

The management of Asiri Group of Hospitals is very keen on customer satisfaction. Therefore they identified parking is also a main area to improve in hospital premises and built a six storied parking structure to facilitate parking needs of their customers.

The proposed Parking Management Simulator for Asiri Surgical Hospital car park will be a cost effective system developed and implemented using the industry recognized technologies. It will be used inside the car park to manage the traffic flow efficiently.



# Acknowledgement

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