



Faculty of Information Technology and Quantitative Science  
MARA University of Technology

**NETWORK MANAGEMENT AND REMOTE  
MONITORING VIA SMS APPLICATION**

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Thesis submitted in partial fulfillment requirement for the  
BACHELOR OF SCIENCE (Hons) in DATA COMMUNICATION AND  
NETWORKING (CS 225)

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## CERTIFICATE OF ORIGINALITY

This is to certify that I am responsible for the work submitted in this project that the original work is my own except as specified in the references and acknowledgement the original work contained here in not been taken or done by unspecified sources or persons.

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## **ABSTRACT**

Nagios is an open source network monitoring tool. It is free, powerful and flexible. It can be tricky to learn and implement, but can reduce enormously the amount of time required to keep track of how your organization's IT infrastructure is performing.

To understand the usefulness of Nagios, consider a typical IT infrastructure that one or more system administrators are responsible for. Even a small company may have a number of pieces of hardware with many services and software packages running on them. Larger companies may have hundreds or even thousands of items to keep up and running. Both small and large companies may have decentralized operations, implying a decentralized IT infrastructure, with no ability to physically see many of the machines at all.

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