

**A NEW INFORMATION TECHNOLOGY APPROACH TO TELCO
REVENUE ASSURANCE**

A PROJECT REPORT PRESENTED BY

JAYANTHA WALPOLA

to the Board of Study in Statistics and Computer Science of the
POSTGRADUATE INSTITUTE OF SCIENCE

in Partial Fulfillment of the requirement
for the award of the degree of

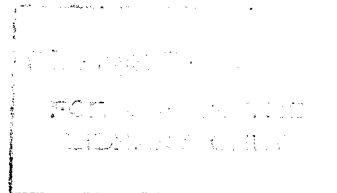
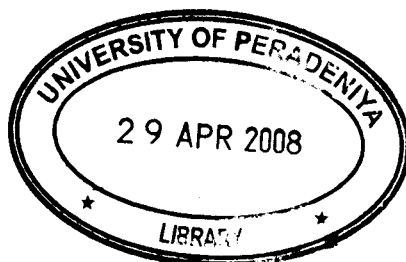
MASTER OF SCIENCE IN COMPUTER SCIENCE

of the

UNIVERSITY OF PERADENIYA

SRI LANKA

2007



616268

A NEW INFORMATION TECHNOLOGY APPROACH TO TELCO REVENUE ASSURANCE

Jayantha Walpola

Sri Lanka Telecom

Lotus Road

Colombo 01

Sri Lanka

This report discusses a new Information Technology approach to Telco Revenue Assurance. The new approach eliminates the shortcomings of the current Information Technology approaches to Telco Revenue Assurance and presents a new layered architecture for Telco Revenue Assurance. The new architecture leads to the development of practical Telco Revenue Assurance Systems and this research results in developing such a model solution.

The new solution is simple, scalable and cheap so that any Telco can put it into use easily. And this report also discusses the ways in which the new solution can further be improved.