

**EFFECT OF ICT TO IMPROVE THE PRIVATE
POWER GENERATION SECTOR IN SRI LANKA**

MASTER OF BUSINESS ADMINISTRATION

IN

INFORMATION TECHNOLOGY



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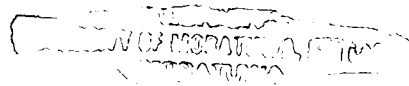
University of Moratuwa

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**EFFECT OF ICT TO IMPROVE THE PRIVATE
POWER GENERATION SECTOR IN SRI LANKA**

By

P. S. Dissanayake



University of Moratuwa, Sri Lanka
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The Dissertation was submitted to the Department of Computer Science
& Engineering of University of Moratuwa in partial fulfillment of the
requirement for the Degree of Master of Business Administration.

Department of Computer Science & Engineering
University of Moratuwa
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To My Loving Parents,
Wife Thanuksha &
Little Son, Emith



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DECLARATION

The work submitted in this thesis is the result of my own investigation, except where otherwise stated.

It has not already been accepted for any post-graduate programme, and is also not being concurrently submitted for any other post-graduate programme.



Priyantha Samankumara Dissanayake

18/10/2005



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I endorse the declaration by the candidate.

UOM Verified Signature

Dr. Lanka Udawatte

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Acronyms

CEB	-	Ceylon Electricity Board
DPO	-	Dendro-Private Owned
HSO	-	Hydro-State Owned
ICT	-	Information and Communication technology
MHPO	-	Mini-Hydro-Private Owned
PPG	-	Private Power Generation
PPP	-	Private Power Projects
TSO	-	Thermal-State Owned
TPO	-	Thermal-Private Owned



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Abstract

Sri Lankan government, even with a ever changing political situation of the country, has a keen interest in introducing advanced Information and Communications Technologies to all the sectors such as education, industrial, transportation, health, electricity and etc. By getting the private sector participation to economic development of the country, government aims to improve all sectors through modern advanced technologies like ICT.

This assignment aims to find out that how ICT involves in the private power generation sector and how ICT can improve this sector in Sri Lanka. Involvement of ICT in private power generation sector could mainly be considered in two areas, i.e. ICT involvement among the technical staff & their operations and ICT involvement among the administrative staff & their operations, in PPG sector.

Questionnaires and individual interviews were used to gather data from the selected sample space.



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It was found that the usage of ICT in the private power generation sector is much lower compared to state owned power generation sector, and further can be improved. Private sector thermal power plants use advanced ICT technology compared to the other private sector power generation plant such as Dendro, and mini-hydro. Small-scale mini-hydro and Dendro power plants use very low amount of advanced ICT technology, because of their inherent problems and barriers.