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**INFORMATION MANAGEMENT SYSTEM FOR ENERGY  
PURCHASE IN CEYLON ELECTRICITY BOARD**

A PROJECT REPORT PRESENTED BY

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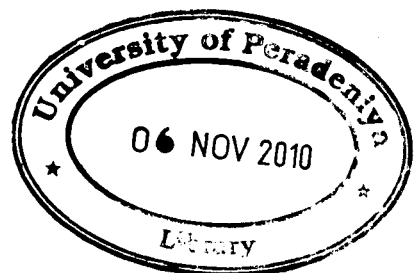
To the Board of Study in Statistics and Computer Science of the  
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## **INFORMATION MANAGEMENT SYSTEM FOR ENERGY PURCHASE IN CEYLON ELECTRICITY BOARD**

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Ceylon Electricity Board mainly consists of three divisions, Generation, Transmission and Distribution. Each division is again subdivided into several branches in order to carry out the work of CEB (Ceylon Electricity Board). The Energy Purchase Branch (EPB) falls under the Transmission division. The main task of the branch is to purchase bulk amount of Independent Power Producers (IPPs) and Small Power Producers named as embedded generators.

Energy Purchase Branch performs a very important process in CEB, where purchase of energy from sustainable energy sources from small and medium level developers. Although the task is very important, the CEB is carries out these activities manually which leads to inefficiency.

This report presents an Information Management system for the Energy Purchase Branch (EPB) of Ceylon Electricity Board (CEB).

The system can be divided into several parts.

- Master data : Master details are prior entered common datas in the system. These types of datas used in the each and every transactions in the system and so no need to entering them again and again. By a drop down list you can select the data. Then the human errors occuring entering data can be minimised and the extra time take to entering can be minimised.
- Transactions: Transactions are main functions of the branch. So the important part of the system where details are entered to the system when needed. "Project number" is the reference for all transactions as the unique details.

- Reports: Finally entered details\data use effectively as management information reports. Data stored in a database so these data can be filtered and arrange in a proper way to brief details when needed.

The proposed system implemented Visual Basic 6.0 and Sql server 2000 envirement and tested for its validity. The results shows overall accuracy of 85%