

Management Information System

for

Sri Lanka Bureau of Foreign Employment

R R Senanayake

169333B

Supervisor : Mr. Chaman Wijesiriwardane

Master of Science in Information Technology

Faculty of Information Technology

University of Moratuwa

February 2019

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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 Honours Degree of Bachelor of Science in Information Technology.

February 2019

Declaration

I declare that this thesis is my own work and has been submitted in any form for another degree or diploma at any university or other institution of tertiary education information derived from the published or unpublished work of others has been acknowledged in the text and a list of references is given.

Name of the Student R R Senanayake

Signature of the Student

Date

Supervised by

Name of the Supervisor Chaman Wijesiriwardane

Signature of the Supervisor

Date

Acknowledgement

I would first like to thank my Project supervisor Mr. Chaman Wijesiriwardane of the Faculty of Information Technology at University of Moratuwa who spent his valuable time for guiding this project to make it success.

And my thanks should go to all the lecturers of MSc in Information Technology degree program at Faculty of IT, who gave their hands to sharpen our knowledge and ideas throughout these two years as they were the illumination which lit up our path ways to success.

Finally, I must express my very profound gratitude to my family and my parents for providing me with unfailing support and continuous encouragement throughout my years of study and through the process of researching and writing this thesis. This accomplishment would not have been possible without them. Thank you.

Abstract

Management information systems (MIS) is an organized, diverse and automated information system that is concerned with the process of gathering, storing and transferring relevant information to support the management operations in the organization.

The data is distributed among the various departments in an organization. The processing of data takes place in various forms such as graphs, diagrams, charts, reports to generate accurate and relevant information for the management. MIS provides central storage of all the organization information. MIS is used across all levels in an organization.

A management information system collects and process data (information) and provides it to top level management who employs it for decision making, planning, program implementation, and organize. The MIS consists of many roles to perform like the decision support role, the performance monitoring role and the functional support role.

The MIS has deeply facilitated and matched the information flow in the organization and the management feels that is has played a role in the growth and improved performance of the organization.

Data mining is a process which finds useful patterns from large amount of data. Manually analyzing, classifying, and summarizing the data is impossible because of the incredible increase in data in this age of net work and information sharing. data mining refers to extracting useful information from vast amounts of data. Many other terms are being used to interpret data mining, such as knowledge mining from databases, knowledge extraction, data analysis, and data archaeology. Data mining process used by organization to revolve raw data into useful information. By using software to look for patterns in large batches of data, organizations can learn more about their customers to develop more effective marketing strategies, increase sales and decrease costs.

Linear regression is a basic and commonly used type of predictive analysis. Three major uses for regression analysis are determining the strength of predictors, forecasting an effect, and trend forecasting.

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