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DEVELOPMENT OF A MANAGEMENT INFORMATION SYSTEM RETAINING KEY CONVENTIONAL CONTROLS

BY

S. D. A. R. CHANDRASINGHE



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BY

S. D. A. R. CHANDRASINGHE

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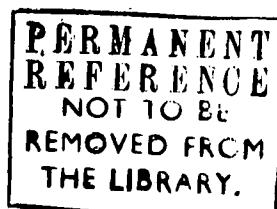
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A B S T R A C T

The objectives of this research study are to carry out a literature survey to establish the current development and applications in the field of Management Information Systems and propose them in an appropriate manner to the selected organisation viz. 4th Engineer Regiment of Sri Lanka Army, in order to streamline and improve its information processing capability. This action has been found necessary due to the current increase of the undertakings of the organisation in Civil Engineering Construction and Project Management activities along with pure Military Deployment. It was also found important not to discard some documentation in practice required for audit purposes.

After carrying out the literature survey the most appropriate Management System applications have been established. A framework for the managerial activities in the organisation has been formed to identify the distinct information needs in the categories of strategic planning, Tactical control and operational control. The information processing systems have been proposed to suit the requirement under each category.

The literature survey has resulted in formulating guidelines to view the managerial activities and information needs of the organisation. MIS proposals suggested introduce a host of techniques to the current in practice which will enhance the effective decision making capability of the organisation. This forms the basic guidelines for computer software applications.



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LIST OF ABBREVIATIONS



CS	-	CONSTRUCTION SUPERVISOR
CO	-	COMMANDING OFFICER - CHIEF EXECUTIVE OFFICER
CSF	-	CRITICAL SUCCESS FACTORS
CW	-	CLERK OF WORK
DBMS	-	DATA BASE MANAGEMENT SYSTEM
DP	-	DRAUGHTS PERSON
DSS	-	DIVISION SUPPORT SYSTEMS
HQ	-	HEAD QUARTERS - HEAD OFFICE OF THE ORGANISATION
MIS	-	MANAGEMENT INFORMATION SYSTEM
OC Sqn	-	OFFICER COMMANDING SQUADRON - MANAGER DEPARTMENT
QS	-	QUANTITY SURVEYOR