THE INFLUENCE OF MANAGEMENT INFORMATION SYSTEMS ON BUSINESS CREDIT FACILITATION A CASE STUDY ON ARABIC BANK, AMMAN, JORDAN

A thesis submitted to the Graduate School in partial fulfillment of the requirement for the degree Master in Science (Management)
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ABSTRACT

The purpose of this study is to investigate the influence of Management Information Systems in on business credit facilitation by commercial banks in Jordan. A sample of 50 personnel has been chosen from commercial banks in Jordan.

The findings of this study will be age were significant for credit banks in Jordan that provide credit facilitation. The use of Management Information Systems when decision making on loans will allow for transparency of the process as well as the accumulated data which these systems capture will enable further improvement of credit facilitation.
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TABLE OF CONTENTS

PERMISSION TO USE ........................................... ii
ABSTRACT ......................................................... iii
ACKNOWLEDGEMENT ............................................. iv
LIST OF TABLES ................................................... v
LIST OF FIGURE ................................................... vi

CHAPTER 1: INTRODUCTION

1.1 General .......................................................... 1
1.2 Problem Statement ............................................. 2
1.3 Research Objective .......................................... 3
   1.3.1 General Objective ..................................... 3
   1.3.2 Specific Objective .................................... 3
1.4 Research Questions ........................................... 4
1.5 Research Hypothesis ......................................... 5
1.6 Limitation of the study ..................................... 6
1.7 Assumption ..................................................... 7
1.8 Scope of the study ........................................... 7
1.9 Significance of the study ................................... 8
1.10 Definition of terms ......................................... 10
   1.10.1 Management Information Systems .................. 10
   1.10.2 Effectiveness ......................................... 11
<table>
<thead>
<tr>
<th>Section</th>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.10.3</td>
<td>Credit facilities</td>
<td>11</td>
</tr>
<tr>
<td>1.11</td>
<td>Organization of the study</td>
<td>11</td>
</tr>
<tr>
<td>2.1</td>
<td>Introduction</td>
<td>13</td>
</tr>
<tr>
<td>2.2</td>
<td>Previous Studies</td>
<td>13</td>
</tr>
<tr>
<td>2.3</td>
<td>The concept and importance of Management Information Systems</td>
<td>14</td>
</tr>
<tr>
<td>2.4</td>
<td>The essence and importance of information</td>
<td>16</td>
</tr>
<tr>
<td>2.5</td>
<td>The use of Management Information Systems</td>
<td>17</td>
</tr>
<tr>
<td>2.6</td>
<td>The position of Management Information Systems</td>
<td>18</td>
</tr>
<tr>
<td></td>
<td>in Task Organization Framework</td>
<td></td>
</tr>
<tr>
<td>2.7</td>
<td>Effectiveness</td>
<td>19</td>
</tr>
<tr>
<td>2.8</td>
<td>Definitions of effectiveness</td>
<td>20</td>
</tr>
<tr>
<td>2.9</td>
<td>Measuring the effectiveness of an organization</td>
<td>21</td>
</tr>
<tr>
<td>2.10</td>
<td>Speed</td>
<td>23</td>
</tr>
<tr>
<td>2.11</td>
<td>Accuracy</td>
<td>24</td>
</tr>
<tr>
<td>2.12</td>
<td>Credit Facilitation</td>
<td>26</td>
</tr>
<tr>
<td></td>
<td>2.12.1 Definitions and credit function</td>
<td>26</td>
</tr>
<tr>
<td>2.13</td>
<td>Information Systems and decision making in granting trade credit</td>
<td>27</td>
</tr>
<tr>
<td>2.14</td>
<td>Reason for formation of commercial banks information systems</td>
<td>28</td>
</tr>
<tr>
<td>2.15</td>
<td>Research variables</td>
<td>31</td>
</tr>
</tbody>
</table>
2.15.1 Independent variables 31
2.15.2 Dependent variables 31
2.16 Hypothesis 31

CHAPTER 3: RESEARCH METHODOLOGY

3.1 Introduction 33
3.2 Research design 34
3.3 Instrumentation 35
3.4 Respondents 36
3.5 Reliability Analysis 37
3.6 Data collection procedures 38
3.7 Data analysis and interpretation 38
3.7.1 Pearson correlation 39

CHAPTER 4: ANALYSIS AND FINDINGS

4.1 Introduction 41
4.2 Profile of the respondent 41
4.3 Reliability analysis 44
4.3.1 Reliability statistics of decision making effectiveness (IV1) = 0.759 45
4.3.2 Reliability statistics of speed of performance (IV2) = 0.467 47
4.3.3 Reliability statistics of accuracy of business performance (IV3) = 0.458 49
4.4 Pearson correlation

4.5 Regression between effectiveness, speed and accuracy with credit facilitation
   4.5.1 Regression between effectiveness (IV1) and credit facilitation (DV)
   4.5.2 Regression between speed (IV2) and credit facilitation (DV)
   4.5.3 Regression between accuracy (IV3) and credit facilitation (DV)

CHAPTER 5: SUMMARY, DISCUSSION,
CONCLUSION AND RECOMMENDATION

5.1 Introduction

5.2 Research summary

5.3 Research Implication
   5.3.1 Theoretical implication
   5.3.2 Practical Implication

5.4 Discussion and conclusion

5.5 Recommendations

REFERENCES

APPENDICE

Appendix 1 - Questionnaire
LIST OF TABLES

Table 3.1: Alpha Coefficient
Table 4.1: Profile of Respondents
Table 4.2: Reliability Statistics of Making Effectiveness
Table 4.3: Item-Total Statistics of Making Effectiveness
Table 4.4: Reliability Statistic of Speed of Performance
Table 4.5: Item-Total Statistics of Speed of Performance
Table 4.6: Reliability Statistic of Accuracy of Business Performance
Table 4.7: Item-Total Statistics of Accuracy of Business Performance
Table 4.8: Person Correlation between the Variables
Table 4.9: Multiple Regression Analysis Organization Factors (IV1)
Table 4.10: Model Summary of Multiple Regressions Analysis Effectiveness (IV1)
Table 4.11: ANOVA (b) of Multiple Regressions Analysis Organization Factors
Table 4.12: Multiple Regression Analysis Technical Factors (IV2)
Table 4.13: Model Summary Multiple Regression Analysis Speed (IV2)
Table 4.14: ANOVA (b) of Analysis Speed (IV2)
Table 4.15: Multiple Regression Analysis Accuracy (IV3)
Table 4.16: Model Summary of Multiple Regression Analysis Accuracy (IV3)
Table 4.17: ANOVA (b) of Accuracy (IV3)
| Figure 2.1 | Theoretical framework |
CHAPTER 1

INTRODUCTION

1.1 GENERAL

The study of Management Information Systems (MIS) turns out to be very effective for its users in business constructions and foundations. It had proven usefulness to industrial or service constructions, in terms of reducing the costs, labourers and increasing the profits.

As we are living in the industrial era, customers constantly discover new products that can be found in the market. This means we need alternative and competitive products amongst the constructions companies. As a result, the need of information system that helps the companies and institutions, to stay in market and to be on par with much successful companies is essential.

Management Information Systems have the ability to acquire correct, perfect and clear information. This information can be sent to the MIS final users in the perfect time and when the needs are required. MIS is considered as a connective circle among the administrations.
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profitability of different sectors, and at the level of product and customer, to ensure and guarantee the identification of products list profitable maintain and develop. This can helps to reduce the risks of information systems such as threat of viruses which may lead to the destruction or alteration of information.

Moreover it is recommended that the banks should be careful when buying software from Arab or foreign organizations to avoid buying low quality or duplicate software which might harm the organization. Bank also should conduct more research and field studies on the subject of Management Information Systems and their impact in increasing the effectiveness of the credit facilitation through the study of factors other than those included in the studies.
References


Mohammed Saeed Sultan, & Abdul Ghaffar Hana. (1989). *Bank Management*. Alexandria:


