

Everyone's Smart University

College of Management

Project Management



اثر استخدام برنامج قواعد البيانات مايكروسوفت اكسيس في رفع جودة ادارة المشاريع:
دراسة تطبيقية على القطاع الخاص في المملكة العربية السعودية

The Effect of Using Microsoft Access Database Program on Raising the
Quality of Project Management: Applied Study on the Private Sector in the
Kingdom of Saudi Arabia

Graduation Project

Prepared by

221001962 - Ibrahim Ameen I Hawsah

22100192166 - Asaad Adli A Assor

Supervised by

Dr. Walid Soliman

الفصل الدراسي الثاني 2023

1. RESEARCH TITLE

The effect of using Microsoft Access database program on raising the quality of project management: an applied study on the private sector in the Kingdom of Saudi Arabia.

2. INTRODUCTION

The research you are conducting is highly relevant in today's business world, where technology plays a vital role in improving efficiency and productivity. By focusing specifically on the impact of Microsoft Access database programs in the private sector of various fields in Saudi Arabia, you are addressing an important issue in project management.

One of the key incentives driving this research is the observation that many project departments in the region are not making full use of computer skills and databases, which can lead to a lack of standardization and efficiency in project management. This is particularly problematic in teams that are diverse and may face challenges in keeping pace with work progress and sharing information effectively.

By leveraging the capabilities of database software, project teams can overcome many of these challenges and achieve better results in terms of cost and time efficiency. Some benefits of using database programs like Microsoft Access in project management include:

- Centralized storage of project data, including tasks, goals, and plans, that can be accessed by all team members
- Improved collaboration and communication among team members, which can help to avoid misunderstandings and delays

- Greater visibility into project progress and performance, which can help managers make informed decisions and adjust plans as needed
- Enhanced security and data integrity, which can help to protect sensitive project information and prevent errors or data loss.

Overall, the research has the potential to shed light on the importance of database programs in project management and help organizations in Saudi Arabia and beyond to improve their operations and achieve better results.

3. IMPORTANCE OF THE STUDY

Scientific research plays a crucial role in any project, and this is especially true in the private sector where workers may not always be aware of the latest technological advancements. By using Microsoft Access, a program that provides a wide range of auxiliary tools, employees can streamline their work processes and increase productivity. This can result in significant cost savings for the company, as well as improved efficiency and output. Here are some additional points to consider:

- Microsoft Access is a powerful database management system that offers numerous features, including the ability to create custom forms, automate data entry, and generate reports.
- By using Access, employees can store and organize data more effectively, reducing the risk of errors and improving data accuracy and consistency.
- Access also allows for easy collaboration between team members, which can help to streamline workflows and ensure that everyone is working towards the same goals.

To sum up, the use of Microsoft Access can have a significant impact on a company's bottom line, by improving efficiency and productivity and reducing the time and resources required to complete tasks.

4. STUDY QUESTIONS

- What is the importance of spreading the concept of using project management assistance programs?
- What are the most prominent obstacles while using Microsoft Access?
- What are the most prominent local and international experiences about the use of Microsoft Access database program in companies and establishments?
- What are the positive results and effects made by Microsoft Access program to develop and improve business?
- What is the relationship between awareness in the use of computer programs in general and employee performance?

5. PREVIUOS STUDIES ANDTHEORETICAL FRAMEWORK

No.	Study	Abstract
1	Montana State University, Carol Ann Gibson Flaherty (1994)	This study shows that some computer skills and environmental variables were associated with Montana State University Extension agents' job performance, as reported in job appraisals, and job satisfaction, as defined by the Work Itself scale of the Job Descriptive Index. Gender, salary, and having a modem conveniently available were significant predictors of job performance in two multiple regression models. For salary, the relationship logically could be argued to be circular, with job performance having led to higher salary as well as salary having predicted job performance. Using spreadsheets, electronic mail, and on-line information sources, as well as an agent's judgment of whether s/he had a good enough computer were significant predictors of job satisfaction in two multiple regression models. It should be pointed out that it was not increasing skill with spreadsheets, email and information searching but less skill that was associated with higher job satisfaction. However, the existence of significant results masks the fact that the data is spread very thinly among the variables. Even the stepwise multiple regression models did not come close to the common recommendation that a study should have 30 observations for each independent variable.

		The significant relationships shown by the models should be considered a starting point for further study.
2	University of Applied Sciences, Aidah Nassazi (2013)	Employees are major assets of any organization. The active role they play towards a company's success cannot be underestimated. As a result, equipping these unique assets through effective training becomes imperative in order to maximize the job performance. Also position them to take on the challenges of the today's competitive business climate. Although extensive research has been conducted in the area of Human Resource Management, the same cannot be said on employee training especially as it concerns developing countries. The purpose of this thesis was to evaluate the effects of training on employee performance, using the telecommunication industry in Uganda as case study. In order to understand the study aim, four goals were developed and these focused particularly on identifying the training programs' existing in the industry, the objective of the training offered, the methods employed and finally the effects of training and development on employee performance. The study was based on three case studies of the biggest telecommunication companies operating in Uganda. A qualitative research approach of the data collection was adopted using a questionnaire comprising of 18 questions distributed to 120 respondents. Based on this sample the results obtained indicate that training have a clear effect on the performance of employees. The findings can prove useful to Human resource managers, Human resource policy decision makers, as well as government and academic institutions.
3	Rose May Cora P. Lagon, Mercedes C. Pagunsan, Nodelyn G. Paredes, Joe Bernie L. Esposito, Elsa F. Lanceta, June S. Garcia, Kent Alvin M. Cebal & Vincent D. Catamin	This correlational study aimed to determine the relationships among computer literacy, job satisfaction, and job performance of 121 government employees in the municipality of Calinog, Iloilo, Philippines who were selected using total enumeration last 2018. This study utilized the adapted Perception of Computer Technology Competencies, Performance Evaluation, and An Index of Job Satisfaction. Through the use of statistical tools such as the mean, standard deviation, and Pearson's r where alpha was set at 0.01, the findings of the study revealed that the participants were "Skilled" in their computer literacy, "Fairly Satisfied" in their work, and had a "High" level of job performance. Furthermore, the study revealed that computer literacy, job satisfaction, and job performance were positively correlated. It is suggested that the government employees must be continuously provided by relevant trainings, seminars, and workshops because they have positive bearings on their job satisfaction and performance.
4	Tel Aviv University, Dalit Mor, Hagar Laks, and Arnon	In today's job market, computer skills are part of the prerequisites for many jobs. In this paper, we report on a study of readiness to work with computers (the dependent variable) among unemployed women (N=54) after participating in a unique, web-supported training focused on computer skills and empowerment. Overall, the level of participants' readiness to work with computers was much higher at the end of the course than it was at its beginning. During the analysis, we explored associations between this variable and variables from four categories: log-based (describing the

	Hershkovitz (2016)	online activity); computer literacy and experience; job-seeking motivation and practice; and training satisfaction. Only two variables were associated with the dependent variable: knowledge post-test duration and satisfaction with content. After building a prediction model for the dependent variable, another log-based variable was highlighted: total number of actions in the course website along the course. Overall, our analyses shed light on the predominance of log based variables over variables from other categories. These findings might hint at the need of developing new assessment tools for learners and trainees that take into consideration human computer interaction when measuring self-efficacy variables.
--	-------------------------------	--

6. THEORETICAL PREMISES OF THE STUDY

The theoretical premises of your study could include the principles of relational databases and how Microsoft Access can be used to build and use these databases. You can also include the basics of database design such as determining the purpose of your database, finding and organizing the required information, dividing the information into tables, turning information items into columns, specifying primary keys, creating the table relationships and refining the design.

7. METHODOLOGY AND RESEARCH METHODS

In this section, we will explain how we plan to conduct our research. We will use a quantitative research approach to collect data from participants in the private sector in the Kingdom of Saudi Arabia. We will use surveys to collect data from participants and analyze the data using statistical methods.

Our sample size will be selected from different companies in the private sector in the Kingdom of Saudi Arabia. We will select participants using a random sampling method to ensure that our sample is representative of the population.

8. STUDY TOOLS

Verity of study tools are used during the period of the study as listed:

a- A survey was conducted in the workspace area.

- b- A previous studies and research was used as a reference.
- c- Experience of old generation workers in the Petrochemical's fields.

9. FIELDS OF STUDY

Spatial field : Kingdom of Saudi Arabia.

Temporal field : 2023

Human field : A sample of Saudi society

10. REFERENCES

Computer Skills Training and Readiness to Work with Computers, Dalit Mor, Hagar Laks, and Arnon HersHKovitz Tel Aviv University, Tel Aviv, Israel, 2016.

EFFECTS OF TRAINING ON EMPLOYEE PERFORMANCE, Aidah Nassazi, VAASAN AMMATIKORKEAKOULU UNIVERSITY OF APPLIED SCIENCES International Busines, 2013.

Computer literacy of government employees as correlates to job performance and satisfaction, Rose May Cora P. Lagon*, Mercedes C. Pagunsan, Nodelyn G. Paredes, Joe Bernie L. Esposito, Elsa F. Lanceta, June S. Garcia, Kent Alvin M. Cebal & Vincent D. Catamin West Visayas State University, Calinog Campus, Iloilo, 5040 Philippines

The relationships among computer skills, job performance, and job satisfaction of Montana Extension agents by Carol Ann Gibson Flaherty, Montana State University, 1994.