

Information technology and its role in improving and efficient administrative decisions in operating hospitals in the Republic of Yemen.

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Abstract:

The study aimed to identify the information technology course in private hospitals in general and the Al-Shifa Specialized Medical Complex in the city of Ibb in the Republic of Yemen in particular, and to know the role and influence of information technology on making, making and implementing administrative decisions in the Al-Shifa Specialized Medical Complex. Moreover, heads of departments, doctors, nurses and surgeons, the sample of the study was the Al-Shifa Specialized Medical Complex in the city of Ibb in the Republic of Yemen. The questionnaire tool was used to reach the answer, and then the descriptive approach was used in the analysis, hypothesis testing and recommendations to a set of results that summarized that the Al-Shifa Medical Specialist Complex In the Republic of Yemen, there is information technology and it facilitates the use of information technology in making, taking and implementing administrative decisions in the medical complex.

This study adds to the literature by providing an understanding of the importance of the information technology cycle in private hospitals in the modern era in the speed of completion of work, transactions and communication between the various medical departments and departments in the modern specialized medical complex because the modern era is the age of technology, speed and technology, which has no information and technology that has no market, as well as Information technology in private hospitals contributes to drawing human, financial and material resources policies, rationalizing decisions related to training and development, evaluating the

performance of employees, doctors, nurses and surgeons, in addition to providing information in all details about the Al-Shifa Specialized Medical Complex and the surrounding community. Al-Shifa Specialized Medical Complex in the city of Ibb in the Republic of Yemen in using information technology, saving time, effort and cost through the optimal use of information technology and its positive and good repercussions on making, making and implementing administrative decisions in Al-Shifa Specialized Medical Complex.

Keywords:*Information Technology - Decision Making, Making and Implementation - Administrative Decisions - Al Shifa Specialized Medical Complex - Doctors - Surgeons – Staff.*

Introduction:

The term information technology refers to the set of scientific, technological, engineering, methods and arts knowledge necessary to convert inputs to outputs, and from here the interest of organizations in information technology has increased, due to its successful and large role in various administrative aspects, as it has contributed to making major and important changes, represented in reducing the costs of production processes And improving price levels, increasing the speed of delivery and improving quality, which contributed to increasing the competitiveness of these organizations. This research aims to introduce information technology and its importance in improving and efficiency of administrative decisions, knowledge of information technology, its role and its impact on administrative decisions, and the most important characteristics that characterize it, as well as knowledge of the relationship of information technology with administrative decisions, knowledge of the most important roles of information technology at the level of the organization, and knowledge that information technology is the secret of success Every organization. We conclude that owning and investing in information technology has become one of the important criteria on the basis of which countries 'development and increasing their competitiveness are measured. Information technology also plays a fundamental role in building, developing and improving the performance of information systems in the enterprise and it now has the primary role in reshaping institutions, so that this technology imposes the importance of developing a management model. It is characterized by openness, flexibility and the ability to adapt to technological developments. In light of information technology and globalization, the world is witnessing a deep and rapid development at all levels, including the economic,

political, social, and technological level, and as a result of the depth and speed of this development in the field of information technology, the world has entered the age of the information society, and at the present time and in light of intense international competition, information has become the material Most of the developed countries of the world are competing with each other to develop plans and strategies for developing information technology, and this was accompanied by the emergence and spread of computers that have become an imperative need for all institutions, due to their strong advantage in processing and storing huge amounts of information in an organized, fast and accurate manner, so the researcher can No matter how far from the source of information, access to it and reform it to be invested in its research and all its work and activities, and from this standpoint and given the importance of information technology in all organizations, companies, institutions and hospitals, we have studied the role of information technology on administrative decisions in the Al-Shifa Specialized Medical Complex in the city of Ibb in the Republic of Yemen, both during Administrative decision-making, which is the stage of data collection Initial information from its sources inside and outside the Al-Shifa Specialized Medical Complex, the information technology auditor during administrative decision-making in facilitating the meeting of those involved in making the administrative decision and in gathering the available alternatives and choosing the best ones, as well as when implementing the administrative decision and at this stage the manager and the administrative decision-maker need information technology more than any stage, and technology contributes Information in the speedy implementation of administrative decisions and with the least possible time and effort,

Previous studies :

Armstrong, M. (2009). The study aimed to know the course of information technology in the practice of human resource management .Basile, F., Heydrich, J, Lindvall, M, Munch, J, Regardi, M, Rumpach, D, Seaman, C, and Trendovitch, A (2010). The study aimed to link software development and business strategy through measurement and information technology . Christensen, T., Lægreid, P., Roness, P., &Røvik. K (2007). The study aimed at the impact of information technology on the theory of the organization and the public sector . Daft, R. (2010). The study aimed to learn about the information technology course in administrative decision-making in American organizations . Daft, R. (2010). The study aimed to find out the relationship between the performance of organizations using information technology .Anshasi, A.

Abu Shaban, S. (2011): The study aimed to examine the use and effectiveness of information technology management in construction organizations .Anshasi, A., and Abu Shaban, S. (2011). The study aimed to examine the use and effectiveness of IT management within organizations. Ferenc, R. ,Hegidus, b. , And Jimothy, T. (2014). Models of software product quality and advanced software systems and their role in the success of industrial organizations . Grant, R. (2010). The study aimed to analyze the interim strategy using information technology . Grant, R. (2010). The study aimed to know the speed of analyzing the interim strategy using information technology . Hanks, S, Watson, K, Janssen, E, and Chandler, J (1994). A Taxonomic Study of Growth Stage Formations in High Technology Organizations, Entrepreneurship: Theory and Practice . Hassan, F, Shah, B, Khan, Inn, Honor of God, M, and Zaman, T. (2011). The study aimed to explore the relationships between the organizational life cycle and the various features of organizational culture and business, and to review using information technology . Hilbert, M. (2013). Big data for development with information technology .Hotamisli, M., Ibicioğlu, H., &Karayel, M. (2009). The study aimed to use Larry Greener's model for growth in organizational life, a case study for the first international symposium on sustainable development using information technology .Inyang, b. (2010), Strategic Human Resource Management (SHRM) and its success relationship in information technology is a paradigm shift to achieve a sustainable competitive advantage in an organization .Won and Ryo (2016) "The Impact of Overall Strategy and Project Life Cycle on Operational Efficiency" The study aimed to know the impact of information technology on the life cycle of the organization and on efficiency, The most prominent results of the study are that industrial companies in the stage of maturity are more efficient than companies in other stages of the life cycle of the organization.Mithas and Rust, 2016 "How IT Strategies and Investments Affect Firm Performance: Estimation and Empirical Evidence." This study aimed to measure the combined effect of an IT strategy on the market value of IT investment targets.(Loudon and Loudon, 2003) Information technology consists of a number of components that should ideally and fundamentally be present in its specific applications. Where many researchers have identified it as representing all the following elements: equipment, software, networks and databases, in addition to human resources and their qualification to be able to deal with these components.(Loudon and Loudon, 2003) Information technology consists of a number of components that should ideally and fundamentally be present in its specific applications. Where many researchers have identified it as representing all the

following elements: equipment, software, networks and databases, in addition to human resources and their qualification to be able to deal with these components.(Kolychev and Prokhorov (2017)) The application of information technology techniques in visualizing the stages of the innovation project life cycle while studying the “Innovation Project Management” course. The study aimed to apply information technology techniques in the field of teaching “Management”.(p217, 2014, Kenneth and Loudon)Computer technologies are the physical and tangible foundation of an IT infrastructure, as computers are the backbone and the primary component, which must be available to be able to operate all other components such as software, databases, and networks.

the study Problem :

This study is concerned with the effect of information technology in improving the efficiency of administrative decisions in private hospitals in the Republic of Yemen, and this study comes in light of the mechanization of work in hospitals and the use of technology in all departments and sections instead of the previous traditional and paper system, and the efficiency of administrative decisions in private hospitals, and it has been observed that the system The technology contributes effectively to improving the efficiency of administrative decisions in private hospitals in the Republic of Yemen and increases the effectiveness and efficiency of their performance, hence the importance of this study. The problem of this study is addressed and addressed by answering the following questions.

The first question: To what extent does information technology contribute to the administrative decision-making at Al-Shifa Specialized Medical Complex?

The second question: To what extent does information technology contribute to administrative decision-making in Al-Shifa Medical Specialist Complex?

The third question: To what extent does information technology contribute to the implementation of administrative decisions in Al-Shifa Medical Specialist Complex?

The study consists of the following hypotheses:

Information technology contributes to managerial decision-making at Al-Shifa Medical Specialist Complex.

Information technology contributes to administrative decision-making at Al-Shifa Medical Specialist Complex.

Information technology contributes to the implementation of administrative decisions in Al-Shifa Medical Specialist Complex.

Methodology:

The study dealt with the issue of information technology, which is one of the most prominent modern management methods and tools that seek to establish health institutions for adoption and application, and among the most prominent factors that made the researcher study and research in this field is the lack of a study based on information technology in hospitals in the Republic of Yemen concerned with the field of information technology. It is hoped that this study will add a scientific study aimed at the field of information technology and open horizons for researchers to conduct other studies and research in the field of information technology and its applications in the health sector in the Republic of Yemen and contribute to the enrichment of a Yemeni library in this regard, and it is hoped that the results of this study will help those in charge of technology. Information in the Republic of Yemen by describing the strengths and weaknesses in the application of information technology in Yemeni hospitals and working to enhance the strengths and reduce the weaknesses. This study also helps in finding solutions to some of the difficulties faced by the Shifa Medical Complex specializing in the application of information technology, and it is expected to provide This study has many findings and recommendations for hospital management and all physicians and families Nurses, which may contribute to the development of the reality of the application of information technology in the Al-Shifa Medical Specialist Complex. This study is concerned with identifying the contribution of information technology in making administrative decisions in Al-Shifa Specialized Medical Complex and its role in making administrative decisions in Al-Shifa Medical Specialist Complex as well as in implementing administrative decisions in Al-Shifa Specialized Medical Complex: A

questionnaire was designed to collect data from the target group. The questionnaire was designed based on the theoretical literature of the study and after conducting a group of meetings with officials, directors of departments and sections, employees, doctors and surgeons at the Al-Shifa Medical Specialist Complex. (Degree, position, job type), while the second part of the questionnaire consists of (30) questions, with an average of (10) questions for one hypothesis, Likert scale of five points was used to answer the question. Statement (Strongly agree, agree, neutral, disagree, strongly disagree). The Statistical Package for the Social Sciences program covers statistical analyzes.

(S PSS) Use percentages, averages, and standard deviations to answer study questions,

The study population was Al-Shifa Specialized Medical Complex in Ibb, Republic of Yemen, and the study sample included all doctors, nurses, specialists, heads of departments and directors of departments in the hospital, whose number reached (63) people.

Table (1) (age, gender, academic degree or qualification, and type of job)

| Variable | Classes | Frequency | % | Arrange |
|----------------|----------------|-----------|----|---------|
| | 21-30 | 37 | 59 | 1 |
| | 31-40 | 22 | 35 | 2 |
| | 41-50 | 4 | 6 | 3 |
| Gensler | Male | 43 | 68 | 1 |
| | Female | 20 | 32 | 2 |
| Qualifications | Bachelor | 23 | 37 | 2 |
| | Master | 8 | 12 | 3 |
| | Diploma | 32 | 51 | 1 |
| Job class | Academic | 14 | 6 | 2 |
| | Administrative | 49 | 94 | 1 |

From Table No. (1) We do the following:

1- With regard to the age variable: - About (59%) of the respondents from the age group between (30-21) years and their number (37) individuals, which is the largest

group within the age variable according to its ruling. To make sure that the aim of the research is all the employees in the hospital, then come the two age groups (40-31) years and their number (22) individuals, which is the second category within the age variable (35%), then comes the third group of age (41-50) years and their number is (4) And by (6%), which is the lowest in its age.

2- With regard to the gender variable: - The results show that (68%) of the respondents, their number (43), are males, while the females are (37%) and they are (20) of the respondents.

3- Qualifications: - We note from the table that (37%) of the respondents are holders of a baccalaureate degree, and they are (23) individuals. As for those who hold a master's degree, they are (8) and by (12%) and those who possess a diploma are more than (32) people by (51%).

4- Job type: - Nurses, doctors, and surgeons numbered (49) people, at a rate of (77%). As for the administrators and heads of departments and administration of the complex, their number reached (14) people and the percentage of (23%).

Table (2)The first hypothesis (information technology contributes to administrative decision-making in Al-Shifa Specialized Medical Complex in the city of Ibb in the Republic of Yemen)

| Axis Question | Strongly agree | | Agree | | Neutral | | disagree | | Strongly disagree | | Mean | Standard Division | Arrange | Trend |
|---------------|----------------|----|-------|----|---------|----|----------|---|-------------------|---|------|-------------------|---------|----------------|
| | F | % | F | % | F | % | F | % | F | % | | | | |
| Q1 | 14 | 22 | 38 | 60 | 5 | 8 | 5 | 8 | 1 | 2 | 3.93 | 2.29 | 10 | Agree |
| Q2 | 31 | 49 | 20 | 32 | 4 | 6 | 5 | 8 | 3 | 5 | 4.12 | 2.74 | 5 | Strongly agree |
| Q3 | 20 | 32 | 36 | 57 | 2 | 3 | 4 | 6 | 1 | 2 | 4.11 | 2.71 | 6 | Strongly agree |
| Q4 | 31 | 49 | 26 | 41 | 3 | 5 | 2 | 3 | 1 | 2 | 4.33 | 2.98 | 3 | Agree |
| Q5 | 21 | 34 | 34 | 54 | 4 | 6 | 2 | 3 | 2 | 3 | 4.11 | 2.71 | 7 | Agree |
| Q6 | 42 | 66 | 14 | 22 | 5 | 8 | 1 | 2 | 1 | 2 | 4.50 | 3.04 | 2 | Strongly agree |
| Q7 | 32 | 51 | 18 | 29 | 7 | 11 | 4 | 6 | 2 | 3 | 4.17 | 2.84 | 4 | Agree |

| | | | | | | | | | | | | | | |
|------------------|----|----|----|----|----|----|---|----|---|---|------|-------|---|-------|
| Q8 | 18 | 29 | 21 | 34 | 13 | 20 | 9 | 14 | 2 | 3 | 4.69 | 3.09 | 1 | Agree |
| Q9 | 17 | 27 | 40 | 63 | 2 | 3 | 3 | 5 | 1 | 2 | 4.09 | 2.68 | 8 | Agree |
| Q10 | 24 | 39 | 24 | 38 | 9 | 14 | 4 | 6 | 2 | 3 | 4.01 | 2.54 | 9 | Agree |
| Weighted Average | | | | | | | | | | | 4.20 | Agree | | |

From Table No. (2) We do the following:

Paragraph (1) Looking at the respondents' answers to the first paragraph, which states (Information technology contributes to diagnosing problems before making administrative decisions in Al-Shifa Medical Specialist Complex), it is clear that most of the answers are directed towards approval with an average of (3.93), meaning that information technology in Al-Shifa Medical Complex Specialist contributes to diagnosing problems before making administrative decisions.

Paragraph (2) in consideration of the respondents' answers about the second paragraph, which states (Information technology plays an important role in identifying problems during administrative decision-making in Al-Shifa Specialized Medical Complex) through the respondents' answers, the answers are directed towards approval with an average of (4.12) and this is evidence that technology Information plays an important role in identifying problems during administrative decision-making at Al-Shifa Medical Specialist Complex.

Paragraph (3) Looking at the respondents' answers about the third paragraph, which states (information technology reduces the incidence of errors in administrative decision-making at Al-Shifa Specialized Medical Complex), it becomes clear that most of the answers are directed towards approval with an average of (4.11) meaning that information technology reduces the incidence of errors in Administrative decision-making.

Paragraph (4) Looking at the respondents' answers about the fourth paragraph, which states (Information technology contributes to facilitating administrative decision-making in the Al-Shifa Specialized Medical Complex), it becomes clear that most of the answers are directed towards approval with an average of (4.33), meaning that information technology contributes to facilitating administrative decision-making in the Al-Shifa Medical Complex. Al Shifa Medical Specialist.

Paragraph (5) By looking at the respondents' answers about the fifth paragraph, which states (Information technology helps in accomplishing tasks during administrative decision-making at Al-Shifa Specialized Medical Complex) through the respondents' answers, it became clear that most of the answers are directed towards approval with an average of (4.11). This indicates that Information technology helps in accomplishing tasks during administrative decision-making at Al-Shifa Medical Specialist Complex.

Paragraph (6) by looking at the respondents' answers to the sixth paragraph, which states (Information technology contributes to shortening time when making administrative decisions in Al-Shifa Specialized Medical Complex) it became clear that most of the answers are directed towards approval, with an average of (4.50) that is, information technology contributes to shortening the time when making Administrative decisions in Al-Shifa Specialized Medical Complex.

Paragraph (7) by looking at the respondents' answers about the seventh paragraph, which states (information technology contributes to reducing the cost in making administrative decisions in Al-Shifa Specialized Medical Complex) through the respondents' answers, it became clear that most of the answers were directed towards approval with an average of (4.17), meaning that information technology It contributes to reducing the cost in making administrative decisions in Al-Shifa Medical Specialist Complex.

Paragraph (8) by looking at the respondents' answers about the eighth paragraph, which states (information technology reduces the effort spent in making administrative decisions in the Al-Shifa Specialized Medical Complex). The effort exerted in making administrative decisions at Al-Shifa Specialized Medical Complex.

Paragraph (9) By looking at the respondents' answers about the ninth paragraph, which states (Information technology contributes through networking in selecting the correct information in making administrative decisions in Al-Shifa Specialized Medical Complex) it became clear that most of the answers are directed towards approval with an average of (4.09), meaning that information technology contributes Through networking, in choosing the right information in making administrative decisions in Al-Shifa Medical Specialist Complex.

Paragraph (10) Looking at the respondents' answers about the tenth paragraph, which states (Information technology provides data and confirmed information that

contribute to administrative decision-making in Al-Shifa Specialized Medical Complex) it became clear that most of the answers are directed towards approval with an average of (4.01) and this indicates that information technology provides data and information. The proven ones that contribute to administrative decision-making at Al-Shifa Specialized Medical Complex.

First hypothesis test:

Test the first hypothesis, which states (information technology contributes to administrative decision-making in Al-Shifa Specialized Medical Complex in Ibb city in the Republic of Yemen) and from Table No. (2) we note the following:

We note from the above table that the weighted average of all the paragraphs that represent the first hypothesis was (4.20), and this indicates that the respondents' answers to these statements from the first hypothesis indicate that the respondents' answers are directed towards approval, that is, their agreement and acceptance of the hypothesis that information technology contributes to making Administrative decisions in the Al-Shifa Specialized Medical Complex in the city of Ibb in the Republic of Yemen. That is, the first hypothesis has been proven, which states (Information technology contributes to administrative decision-making in the Al-Shifa Specialized Medical Complex in the city of Ibb in the Republic of Yemen) and the alternative hypothesis was denied, which states (Information technology does not contribute to administrative decision-making in the Al-Shifa Specialized Medical Complex in the city of Ibb) In the Republic of Yemen)

We also note through the standard deviation, which ranged between (3.09: 2.29), meaning that the answers were consistent in general towards approval.

Through the previous results, we confirm that the respondents agree with the paragraphs of the first hypothesis (information technology contributes to administrative decision-making in the Al-Shifa Specialized Medical Complex in the city of Ibb in the Republic of Yemen), because all the answers are in the high direction, which is the approval of all the paragraphs and questions of the hypothesis.

Table (3) The second hypothesis:

(Information technology contributes to administrative decision-making in Al-Shifa Specialized Medical Complex.)

| Axis Question | Strongly agree | | Agree | | Neutral | | Disagree | | Strongly disagree | | Mean | Standard Division | Arrange | Trend |
|------------------|----------------|----|-------|----|---------|----|----------|----|-------------------|---|------|-------------------|---------|-------|
| | F | % | F | % | F | % | F | % | F | % | | | | |
| Q1 | 16 | 25 | 39 | 62 | 1 | 2 | 4 | 6 | 3 | 5 | 3.96 | 2.85 | 5 | Agree |
| Q2 | 24 | 39 | 23 | 36 | 5 | 8 | 5 | 8 | 6 | 9 | 3.85 | 2.74 | 7 | Agree |
| Q3 | 25 | 40 | 29 | 46 | 4 | 6 | 2 | 3 | 3 | 5 | 4.12 | 2.96 | 2 | agree |
| Q4 | 20 | 32 | 25 | 40 | 7 | 11 | 6 | 9 | 5 | 8 | 3.77 | 2.67 | 9 | Agree |
| Q5 | 17 | 27 | 29 | 46 | 3 | 5 | 10 | 16 | 4 | 6 | 3.71 | 2.62 | 10 | Agree |
| Q6 | 22 | 35 | 23 | 37 | 8 | 13 | 6 | 9 | 4 | 6 | 3.84 | 2.73 | 8 | Agree |
| Q7 | 19 | 30 | 26 | 41 | 12 | 19 | 5 | 8 | 1 | 2 | 3.90 | 2.79 | 6 | Agree |
| Q8 | 24 | 38 | 24 | 38 | 8 | 13 | 4 | 6 | 3 | 5 | 3.98 | 2.87 | 4 | Agree |
| Q9 | 20 | 31 | 38 | 60 | 3 | 5 | 1 | 2 | 1 | 2 | 4.19 | 3.01 | 1 | Agree |
| Q10 | 25 | 40 | 23 | 36 | 10 | 16 | 3 | 5 | 2 | 3 | 4.04 | 2.60 | 3 | Agree |
| Weighted Average | | | | | | | | | | | | 4.00 | Agree | |

From Table No. (3) We do the following:

Paragraph (1) Looking at the respondents' answers to the first paragraph of the second hypothesis, which states (Information technology helps the concerned departments in the Al-Shifa Specialized Medical Complex to collect the available alternatives when making administrative decisions) it is clear that most of the answers are directed towards approval with an average of (3.96), meaning that Information technology helps the concerned departments in Al-Shifa Medical Specialist Complex to gather available alternatives when making administrative decisions.

Paragraph (2) Looking at the respondents' answers about the second paragraph of the second hypothesis, which states (After studying and knowing the problems, information technology contributes to providing departments in the Al-Shifa Specialized Medical Complex with the data necessary for administrative decision-making). (3.85) This indicates that information technology contributes to providing departments in Al-Shifa Specialized Medical Complex with the necessary data for administrative decision-making.

Paragraph (3) From the respondents' answers to the third paragraph, which states (Information technology helps in formulating and taking a set of administrative decisions that contribute to increasing performance in Al-Shifa Specialized Medical Complex), it is clear that most of the answers are directed towards approval with an average of (4.12) and this indicates that technology The information helps in formulating and taking a set of administrative decisions that contribute to increasing the performance of Al-Shifa Medical Specialist Complex.

Paragraph (4) Looking at the respondents' answers about the fourth paragraph of the second hypothesis, which states (Information technology contributes to choosing the best available alternatives from decisions through which Al-Shifa Medical Specialist Complex provides the best medical services to patients), it becomes clear that most of the answers are approved by an average of (3.77) This means that information technology contributes to choosing the best alternatives available from decisions through which Al-Shifa Medical Specialist Complex provides the best medical services to patients.

Paragraph (5) Considering the respondents' answers about the fifth paragraph of the second hypothesis, which states (Information technology contributes to choosing the best available alternatives from decisions through which Al-Shifa Medical Specialist Complex provides the best treatment services to patients) It is clear that most of the answers are directed towards approval with an average of (3.71) This indicates that information technology contributes to choosing the best available alternatives from decisions through which Al-Shifa Medical Specialist Complex provides the best treatment services to patients.

Paragraph (6) Looking at the respondents' answers about the sixth paragraph of the second hypothesis, which states (Information technology reduces time when making appropriate administrative decisions and this helps in completing tasks and works in Al-Shifa Specialized Medical Complex), it becomes clear that most of the answers result in approval with an average of (3.84) and this It means that information technology reduces the time when making appropriate administrative decisions, and this helps in completing the tasks and works at Al-Shifa Medical Specialist Complex.

Paragraph (7) Looking at the respondents' answers about the seventh paragraph of the second hypothesis, which states (Information technology reduces effort and cost when making appropriate administrative decisions and this helps in completing tasks and

works in Al-Shifa Specialized Medical Complex) through the answers to the respondents, it became clear that the answers are directed towards approval. With an average of (3.90), that is, information technology reduces effort and cost when making appropriate administrative decisions, and this helps in completing tasks and work in Al-Shifa Medical Specialist Complex.

Paragraph (8) Looking at the respondents' answers about the eighth paragraph of the second hypothesis, which states (Information technology helps in setting up discussion sessions between the various departments and sections of the Al-Shifa Specialized Medical Complex when making administrative decisions), it is clear that most of the answers are directed towards approval with an average of (3.98) That is, information technology helps in setting up discussion sessions between different departments and divisions in Al-Shifa Specialized Medical Complex when making administrative decisions.

Paragraph (9) Looking at the respondents' answers about the ninth paragraph of the second hypothesis, which states (Information technology helps in obtaining the necessary and correct data while making appropriate administrative decisions in the Al-Shifa Specialized Medical Complex) through the answers of the respondents, it became clear that the answers are directed towards approval with an average of (4.19) This means that information technology helps in obtaining the necessary and correct data during appropriate administrative decision-making in Al-Shifa Medical Specialist Complex.

Paragraph (10) By looking at the respondents' answers about the tenth paragraph of the second hypothesis, which states (Information technology helps in obtaining the necessary and correct information while making appropriate administrative decisions in the Al-Shifa Specialized Medical Complex), it is clear that most of the answers are directed towards approval with an average of (4.04) and this It means that information technology helps in obtaining the necessary and correct information while taking appropriate administrative decisions in Al-Shifa Medical Specialist Complex.

The second hypothesis test:

Test the second hypothesis, which states (Information technology contributes to administrative decision-making in Al-Shifa Specialized Medical Complex in Ibb city in the Republic of Yemen) and from Table No. (3) we note the following:

We note from the above table that the weighted average of all the paragraphs that represent the second hypothesis was (4.00) and this indicates that the respondents' answers to these statements from the second hypothesis indicate that the respondents' answers are directed towards approval, that is, their agreement and acceptance of the hypothesis that information technology contributes to taking Administrative decisions at Al-Shifa Specialized Medical Complex in the city of Ibb in the Republic of Yemen. That is, the second hypothesis has been proven, which states (Information technology contributes to administrative decision-making in Al-Shifa Medical Specialist Complex in the city of Ibb in the Republic of Yemen)

We also note through the standard deviation, which ranged between (3.01: 2.62), meaning that the answers were consistent in general towards approval.

Through the previous results, we confirm that the respondents agree with the paragraphs of the second hypothesis (information technology contributes to administrative decision-making in Al-Shifa Specialized Medical Complex in the city of Ibb in the Republic of Yemen), because all the answers are in the high direction, which is the approval of all the paragraphs and questions of the hypothesis.

Table (4)The third hypothesis:

(Information technology contributes to the implementation of administrative decisions in Al-Shifa Specialized Medical Complex)

| Axis Question | Strongly agree | | Agree | | Neutral | | Disagree | | Strongly disagree | | Mean | Standard Division | Arrange | Trend |
|------------------|----------------|----|-------|----|---------|----|----------|---|-------------------|---|------|-------------------|---------|-------|
| | F | % | F | % | F | % | F | % | F | % | | | | |
| Q1 | 21 | 33 | 34 | 54 | 5 | 8 | 2 | 3 | 1 | 2 | 4.11 | 2.23 | 10 | Agree |
| Q2 | 21 | 33 | 30 | 48 | 8 | 13 | 2 | 3 | 2 | 3 | 4.04 | 2.75 | 8 | Agree |
| Q3 | 24 | 38 | 28 | 44 | 5 | 8 | 3 | 5 | 3 | 5 | 4.06 | 2.84 | 7 | agree |
| Q4 | 25 | 40 | 30 | 47 | 3 | 5 | 4 | 6 | 1 | 2 | 4.23 | 2.81 | 4 | Agree |
| Q5 | 18 | 29 | 34 | 54 | 5 | 8 | 4 | 6 | 2 | 3 | 3.98 | 2.99 | 6 | Agree |
| Q6 | 24 | 38 | 31 | 49 | 4 | 6 | 1 | 2 | 3 | 5 | 4.14 | 2.89 | 2 | agree |
| Q7 | 25 | 40 | 24 | 38 | 8 | 12 | 3 | 5 | 3 | 5 | 4.03 | 2.48 | 9 | Agree |
| Q8 | 28 | 45 | 17 | 27 | 11 | 17 | 5 | 8 | 2 | 3 | 4.01 | 2.89 | 3 | Agree |
| Q9 | 14 | 22 | 35 | 56 | 9 | 14 | 4 | 6 | 1 | 2 | 3.90 | 2.86 | 1 | agree |
| Q10 | 24 | 38 | 25 | 40 | 6 | 9 | 5 | 8 | 3 | 5 | 3.98 | 3.25 | 5 | Agree |
| Weighted Average | | | | | | | | | | | | 4.04 | | Agree |

From Table No. (4) We do the following

Paragraph (1) Looking at the respondents' answers about the first paragraph of the third hypothesis, which states (after making administrative decisions, information technology helps in implementing administrative decisions in Al-Shifa Specialized Medical Complex), it becomes clear that most of the answers are directed towards approval with an average of (4.11) and this means that information technology Assists in implementing administrative decisions in Al-Shifa Specialized Medical Complex after making administrative decisions.

Paragraph (2) by looking at the respondents' answers about the second paragraph of the third hypothesis, which states (through the networking between departments and divisions in the Al-Shifa Specialized Medical Complex, information technology helps speed the implementation of administrative decisions) through the answers to the respondents, it became clear that the answers are directed towards approval on average (4.04) that is, information technology helps in implementing administrative decisions between departments and divisions in Al-Shifa Medical Specialist Complex.

Paragraph (3) Looking at the respondents' answers about the third paragraph of the third hypothesis, which states (information technology reduces the time used and specified in the implementation of administrative decisions in the Al-Shifa Specialized Medical Complex). Information technology reduces the time used and spent in implementing administrative decisions at Al-Shifa Medical Specialist Complex.

Paragraph (4) Looking at the respondents' answers about the fourth paragraph of the third hypothesis, which states (Information technology reduces effort and cost in implementing administrative decisions in Al-Shifa Specialized Medical Complex), it becomes clear that most of the answers are directed towards approval with an average of (4.23), meaning that information technology reduces Of effort and cost in implementing administrative decisions at Al-Shifa Specialized Medical Complex.

Paragraph (5) Looking at the respondents 'answers about the fifth paragraph of the third hypothesis, which states (The Shifa Medical Specialist Complex works to hold discussion sessions using technology and contributes to the speed of implementation of administrative decisions), it is clear that most of the answers are directed towards approval with an average of (3.98), which means that technology Information contributes to the speed of implementation of administrative decisions.

Paragraph (6) by looking at the respondents 'answers about the sixth paragraph of the third hypothesis, which states (by means of the automation system and the technological system, administrative decisions in the Shifa Specialized Medical Complex are easily implemented). Administrative decisions in Al-Shifa Medical Complex, Specialized in Information Technology, are implemented by means of the automation system and the technological system.

Paragraph (7) Looking at the respondents' answers about the seventh paragraph of the third hypothesis, which states (Information technology contributes to monitoring the implementation of administrative decisions in the Al-Shifa Specialized Medical Complex efficiently and effectively) it becomes clear that most of the answers are directed towards approval with an average of (4.03), meaning that information technology contributes to Monitor the implementation of administrative decisions in Al-Shifa Specialized Medical Complex efficiently and effectively.

Paragraph (8) by looking at the respondents' answers about the eighth paragraph of the third hypothesis, which states (the results are positive after implementing the

administrative decisions due to the use of information technology in Al-Shifa Specialized Medical Complex). The use of information technology in Al-Shifa Specialized Medical Complex results in positive results after implementing administrative decisions.

Paragraph (9) Looking at the respondents' answers about the ninth paragraph of the third hypothesis, which states (Information technology contributes to the implementation of emergency administrative decisions in the Al-Shifa Specialized Medical Complex efficiently and effectively), it is clear that most of the answers are directed towards approval with an average of (3.90), meaning that information technology contributes In implementing emergency administrative decisions at Al-Shifa Specialized Medical Complex efficiently and effectively.

Paragraph (10) Looking at the respondents' answers about the tenth paragraph of the third hypothesis, which states (it is preferable to use information technology in implementing administrative decisions in the Al-Shifa Specialized Medical Complex) it becomes clear that most of the answers are directed towards approval with an average of (3.98), which means that information technology is preferred in the implementation of Administrative decisions in Al-Shifa Specialized Medical Complex.

The third hypothesis test:

Test the third hypothesis, which states (Information technology contributes to the implementation of administrative decisions in Al-Shifa Specialized Medical Complex in the city of Ibb in the Republic of Yemen) and from Table No. (4) we note the following:

We note from the above table that the weighted average of all the paragraphs that represent the third hypothesis was (4.04). This indicates that the respondents' answers to these statements from the third hypothesis indicate that the respondents' answers are directed towards approval, that is, their approval and acceptance of the hypothesis that information technology contributes to the implementation of Administrative decisions in Al-Shifa Specialized Medical Complex in the city of Ibb, Republic of Yemen. That is, the third hypothesis has been proven, which states (Information technology contributes to the implementation of administrative decisions in Al-Shifa Medical Specialist Complex in the city of Ibb in the Republic of Yemen)

We also note through the standard deviation, which ranged between (2.23: 3.25), meaning that the answers were consistent in general towards approval.

Through the previous results, we confirm that the respondents agree with the paragraphs of the second hypothesis (information technology contributes to the implementation of administrative decisions in the Al-Shifa Specialized Medical Complex in the city of Ibb in the Republic of Yemen), because all the answers are in the high direction, which is the approval of all the paragraphs and questions of the hypothesis.

Test (T):

Through the respondents' answers to the questionnaire paragraphs of the three hypotheses, it became clear that most of their answers were directed towards approval, and this confirms the confirmation of the hypotheses that were previously assumed at the beginning of the study.

By comparing the calculated value of (T), which amounted to (1.720) with Table (T) at the level of significance (5%), which is equivalent to (1.99), we accept the hypothesis (H1) which states (Information technology contributes to making administrative decisions in the Al-Shifa complex. Medical Specialist in Ibb city in the Republic of Yemen) and we reject the alternative hypothesis which states (Information technology does not contribute to administrative decision-making in Al-Shifa Specialized Medical Complex in the city of Ibb in the Republic of Yemen) through the questionnaire and analysis, the study confirmed the contribution of information technology to administrative decision-making in Al Shifa Medical Specialist Complex.

By comparing the calculated value of (T), which amounted to (1.720) with Table (T) at the level of significance (5%), which is equivalent to (1.99), we accept the null hypothesis (H2) which states (Information technology contributes to administrative decision-making in the complex Al-Shifa Specialist Medical Center in Ibb, Republic of Yemen) and we reject the alternative hypothesis, which states that information technology does not contribute to administrative decision-making in the Al-Shifa Specialized Medical Complex in the Republic of Yemen.

By comparing the calculated value of (T), which amounted to (1.720) with Table (T) at the level of significance (5%), equivalent to (1.99), we accept the hypothesis (H3)

which states (Information technology contributes to the implementation of administrative decisions in the Al-Shifa complex The medical specialist in Ibb city in the Republic of Yemen) and we reject the alternative hypothesis, which states that information technology does not contribute to the implementation of administrative decisions in the Al-Shifa Specialized Medical Complex in the Republic of Yemen.

The validity and reliability test using the Cronbach Alpha test also indicates the strength of the questionnaire results, which reached (97.2).

Conclusion:

The following is a summary of the study and the analysis of the survey, and the study concluded with a set of findings and recommendations that benefit the study community, the sample, and researchers in the field of information technology, highlighting the main axes. The specialist in the city of Ibb in the Republic of Yemen, the study included the following question, to what extent does information technology contribute to the making, decision-making and implementation of administrative decisions in the Al-Shifa Medical Specialist Complex in the Republic of Yemen? A set of objectives and hypotheses related to the problem and the study community were formulated, the Al-Shifa Specialized Medical Complex was identified in the city of Ibb in the Republic of Yemen, and the study sample was determined, and they are all employees, heads of departments, directors, doctors, surgeons, nurses and emergencies in the Al-Shifa Specialized Medical Complex. The topic, temporal and spatial limits were defined. For the study, the study concluded that Al-Shifa Specialized Medical Complex cares and uses information technology in all service, administrative and medical fields in the medical complex and most importantly, the use of information technology in making, implementing and making administrative decisions that are taken in order to perform tasks and duties in front of patients, employees and society, and that the Shifa Complex The specialist medical specialist has kept pace with the modern era in the use of information technology in all service, administrative and medical fields and during administrative decision-making and during its implementation, and the study concluded that information technology works to facilitate the provision of administrative, medical and therapeutic services in the fastest time and with the least cost and effort, and also the study reached a large, effective and positive role that benefits from it The complex Medical specialist through the use of information technology in the making, implementation and administrative decision-making, as information technology contributes to the speed

and facilitation of the completion of all administrative, medical, service and therapeutic work. It keeps pace with the times by using modern and advanced technology in all medical and administrative work and activities, especially when making, making and implementing administrative decisions at the appropriate time and place, which is positively reflected in the preservation of the Specialized Medical Complex, its reputation and distinction over other medical complexes.

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