

The Effect of Modern Scientific Management in the Development of Scientific Specializations in Saudi Universities

Case Study: Emerging Saudi Universities "Majmaah University"

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Abstract

The objective of this research is to investigate the effect of modern scientific management in the development of scientific disciplines in Saudi universities, (Case Study: Saudi universities emerging "MU"), and through a review of the position of management science colleges in Saudi universities arising from these modern scientific management private science colleges (College Medicine, medical science and applied, and Engineering) University collected under the study, assessing the contribution modern scientific management in the management and development of these scientific disciplines such universities emerging, and shed light on the most important gains for these disciplines and that could be achieved in the light of the application management system modern scientific, and trying to figure out visions and future plans for this science colleges and specializations of different universities of this in this administrative area of modern scientific, giving a clear idea and comprehensive information about the development of modern scientific management, and discovering this area of science, and technology, and modern methods can be used to achieve many of the benefits The gains of these academic institutions, particularly the University collected under the study, and to identify the most important problems and obstacles and difficulties faced by these universities Arabia emerging and science colleges at the University consolidated under study in the application of administrative system Recent scientific work to find treatments and solutions to these obstacles and problems, leading to the presence of scientific management Recent evolution of these scientific disciplines and its various Saudi universities emerging private universities under study. This research has achieved health hypothesis that there is a statistically significant positive (positive correlation) between the development of strong scientific disciplines and the application of modern scientific management university arising under study. And that there is a relationship statistically significant positive (positive correlation) between the development of strong performance of employees of the scientific disciplines and the application of modern scientific management university arising under study. There is also a statistically significant relationship positive (positive correlation) between the development of strong performance of faculty members of the scientific disciplines and the application of modern scientific management university arising under study. Through assumptions made researcher concluded that modern scientific management have a significant impact and clear in the development of scientific disciplines in Saudi universities arising under study.

Introduction

This research on the impact of modern scientific management in the development of scientific disciplines in Saudi universities, a case study of the emerging Saudi universities "MU". The modern scientific management has an important role and the President in academic institutions, especially in the development of these emerging institutions, as these institutions emerging and specifically including universities need to modern scientific management in the development of its various departments, since the presence of management modern scientific considered the most important factors that ensure the success of this institutions and develop a great deal of scientific objectivity. The importance of modern management with scientific and technical developments witnessed by the world in these times and with increased competition between scientific disciplines at universities that seek to achieve progress and development and global sustainability, and after I was convinced that these institutions and emerging specialties scientific that this development and progress will not be achieved with only administering modern based on modern science and advanced, those associated with modern technology. The enormous development that has occurred in the field of modern management may make these institutions more modern and more sophisticated, and this makes it imperative for all departments these emerging academic institutions, especially those rare scientific disciplines.

Research problem

The advanced and rapid evolution in technologies and areas of modern scientific management in academic institutions raises a lot of questions in those institutions, especially the emerging ones, especially where scientific

disciplines. This research raises questions following presidents:

- Are Saudi universities take advantage of the emerging modern scientific management in the development of scientific disciplines?
- What is the impact of this modern scientific management in the management of these scientific disciplines such associations emerging under study?

Answer to these questions will be conducted this research , and through them we will to identify the benefit achieved from modern scientific management of these emerging academic institutions and various scientific specialties at the university under study, and their impact in the management of this rare scientific disciplines.

The importance of research

The importance of this research in contributions that tries to provide about clarify the impact of modern scientific management in the development of one of the institutions that are weighing in Saudi society which academic institutions of universities emerging scientific, and different, and to complement the apparent lack of this kind of research, and this is what may this research makes to be a real addition to the contributions and previous scientific studies made in this area.

Research objectives

This research seeks to achieve the goals represented by the following points:

- Stand on modern scientific management applied scientific disciplines departments of these universities arising under study.
- Evaluation of the contribution of modern scientific management in the development of emerging scientific disciplines in universities under study.
- Throwing Daw on the most important gains that can be realized for these scientific disciplines under study through this modern scientific management.
- Know the plans and visions for the future of these scientific disciplines under study in the field of application of modern scientific management.
- To give a clear vision and comprehensive development witnessed by the modern scientific management and content of this field techniques and modern methods can be used to achieve many of the benefits and gains for the management of scientific disciplines under study.
- Stand on the most important difficulties and obstacles faced by these emerging scientific disciplines in universities under study in the application of modern scientific management , and to propose some solutions to confront and addressed and solved.

Research hypotheses

The researcher has developed a number of assumptions in an attempt to be tested and is this in the following hypotheses:

1. There is a statistically significant relationship positive (positive correlation) between the development of strong scientific disciplines and the application of modern scientific management university arising under study.
2. There is a statistically significant relationship positive (positive correlation) between the development of strong performance of employees of the scientific disciplines and the application of modern scientific management at the university arising under study.
3. There is a statistically significant relationship positive (positive correlation) between the development of strong performance of the faculty members of the scientific disciplines and the application of modern scientific management at the university arising under study.

Find literature (previous studies):

I've researcher has familiarized themselves with the many previous studies made in the field of modern scientific management, as well as studies on universities, and concluded from it all to the idea of the research in your hands with the theme of which is trying to find a relationship between modern scientific management and scientific disciplines in Saudi universities are emerging. It is through the study and viewing researcher found a lot of previous studies that spoke in this regard , but did not stand a researcher on the research presented in the same labeled, or eating the same subject of the study , it is to stop by the researcher studies include the following:

1. Study (Abuguenaah , 1999) entitled : Trends managers towards the use of scientific methods in management decision-making , the application of the industrial enterprises in Sudan, Search Master, Sudan University of Science and Technology, and the purpose of the study is to know the trends of managers in the institutions of the industrial sector in Sudan about the use and application scientific methods as tools to help in making administrative decisions , along with the stand on how they made their decisions in these

institutions, and thus determine the extent of the application of these scientific methods, has resulted in the study indicated that the trends of managers towards the use of scientific methods in management decision-making is positive, in addition to that most managers subject of research institutions do not use the scientific method in the administrative decision-making, as well as the study showed that traditional methods still are relied upon in making decisions, it turns out that the level of knowledge managers scientific methods weak. The study recommended the need to work on improving and developing trends of directors institutions of the industrial sector in Sudan to be more positive about the use of scientific methods in decision-making, with a focus on the training of managers, and raise the efficiency of administrative leaders to obtain more knowledge and familiarity with the concepts of modern management and advanced.

2. Study (Tarek Sherif Younis, 2001) entitled: current electronic Maiqatha management from the perspective of senior management, King Saud University. The study concluded the following: the need to deepen the understanding of strategic management, e search for points of convergence in the performance target and planning masterly him, coordinating with information centers available in the country as well as the centers of computer for the purpose of viewing experiences Ltd. in the field of e-governance, the experiences of organizations asymmetric in friendly countries, determine the timeframe for the proposed projects set up soon.
3. Study (Abdul Jalil Idris, 2004) entitled: information technology and its impact on the performance of the administrative institutions of higher education and scientific research in Sudan, Search Master, Sudan University of Science and Technology , a study Browse through researcher impact of information technology on management performance at the Universities of Sudan for Science and Technology, and the University of grandchildren for girls, and the extent of the use of this technology in these institutions and what are the implications of their use , along with the stand on how they are using information technology in various administrative areas . The study concluded that information technology plays an important role and dangerous in the administrative performance of institutions under study, and the vast majority of administrators in these institutions do not use the computer in the analysis of administrative problems they face, also shows that the computer uses these institutions often in print without other fields the other , has study revealed that Hnalkm of improvement in the services provided by the institutions under consideration after the use of modern technology , as it turns out that there are obstacles and problems limit the use of modern technology and applied as required . The study recommended : to keep pace with modern technology, and more attention to the training aspect , and interest in raising the efficiency of administrative leadership , the diversification of the technology used, and diversification in the use of technology , and finally the study recommended the removal of obstacles and problems that limit the use of modern information technology.
4. Study (Sarmad Ghanem, 2001) entitled: curve maturity in Internet usage in public administration, King Saud University, The study recommended the following: the need to train and educate individuals and those interested in the use of modern technology, the participation of all levels of management to learn the Internet, especially senior management, hands-on training on the use of modern technologies and not just theoretical training, to encourage and support individuals most enthusiastic and aggressive on the Internet, the balance between development and technological progress and development in the professions and jobs , linking universities and schools of modern technologies and the Internet, among others.

Research Methodology:

The Research Methodology followed by a researcher in this study is descriptive analytical approach and specifically style field study (survey), which falls under the umbrella of the search descriptive, has chosen researcher this approach because it is characterized by the characteristics of the task, and because of these characteristics that made this approach serves researcher in the field his research has chosen an approach to his subject of study.

The research community:

This study aims to determine the impact of modern scientific management on scientific disciplines emerging in Saudi universities, enabling these scientific disciplines to develop their administrative performance. Therefore, the study population represents the total universities in the Kingdom of Saudi Arabia -ups, due to the large emerging universities in the Kingdom, has focused his research researcher at the University of emerging and one without the other universities in the Kingdom to other emerging. Were bundled University , this is emerging in which the researcher operates than it easy to perform the search near the place , as well as to provide scientific disciplines under study, making this university under study Welcome to conduct this search.

Sample search:

The study sample is a stratified random sample proportionately from some administrators and faculty members

to these scientific disciplines (Faculty of Medicine, Faculty of Medical Sciences and Applied, College of Engineering) at the University of Bundled arising under study, and this university scientific under consideration represent all the universities in the Kingdom of Saudi Arabia emerging.

Search Tools:

Researcher uses the following methods and tools for gathering information:

1. Questionnaire.
2. Interview.
3. Observation.

Find structure:

Has been divided this research into two as follows:

- Chapter I: theoretical study: The purpose of the study is to develop a theoretical range of scientific methods to serve the objectives of the research hypotheses and give a clear picture of what it should be and compare it to what is prevails. I've been relying on this theoretical study on a range of important references and research carried out in this area, and the studies presented, periodicals and various scientific journals issued on the subject of the study, with a heavy reliance on international information network (Internet).

- Chapter II: Field study : To learn practical reality and its impact on scientific disciplines university Arabia emerging subject of the study, and to test the validity of the assumptions made by the researcher had to be to do a field study to determine the extent of the impact of modern scientific management on scientific disciplines such university study.

Chapter One: the modern scientific management - the concept and contemporary trends:

Administration has become the modern sense roomy world is full of concepts and complex modern trends , as is her principles and foundations of many replenished with renewed objective conditions that prevail during the periods of the evolution of human thought data in his quest to satisfy his needs, and improve the quality of life and happiness .

Management Thought illustrates the concepts and philosophy through time visions of renewal and management development in every era, in the context of this development and administrative thought came Schools scientific management, to reflect each school ideas and innovations of its age and its culture and philosophy. Over time, increasing the flow of information and the need for information with the complexity of a lot of things and increasing scientific research to discover solutions, and this fact no doubt of the characteristics associated with the administration to humans and the commercial and other organizations. And an advanced management today aware of came Bmpetkrat the many moves to facilitate internal and external organization and access to the maximum exploitation of the potential of the cheapest and simplest costs, and the establishment of foreign relations with the public and other departments, and it was possible expansion in modern management methods using modern technology specialist.

Concepts in modern management:

Despite the great importance and known for the role of modern management in business activity, especially, it does not have a definite and explicit agreement between researchers and experts administrators to define a unified and comprehensive management. The term also says Bashir¹ Keywords ((unspecified accurately, but carries multiple meanings, and different concepts, and miscellaneous components. Perhaps the reason for this is due to the fact that the management concept of a moral and not a voluptuous concret)), and this , as well as studies and research in the administrative area - despite foot practice administrative - came a little bit late.

Because each thinker and researcher administration is seen from his point of view, and experience, and his convictions, the other is the management definitions varied and differ depending on these diverse views and experiences. And in the following manner:

Know Encyclopedia of Social Sciences Department as ((process that cans Boisttha to implement a particular purpose and supervision of it. Well is the joint product of different types and degrees of humanitarian effort that goes into this process)). It is understood from this definition that the concept of management may mean several things, including:²

1. ((Mtakzu the administrative decisions at the corporate level or at the level of the organizational unit within the organization.
2. Activities carried out by the Director such as planning, regulation and supervision, direction and composition.

¹Barian. K. M, 1999, 10).

² Ibid, p 10.

3. Organizational unit, whether business organization or a public organization.
4. The science of business management as an area of knowledge and scientific research.
5. The process of collecting rare resources and capabilities together).

In another definition says: Henry Fayol¹ ((that the meaning that he manages to predict and plan, organizes, and issued orders, coordinate and monitor)). Here Fayol summarizes management functions in forecasting, planning, organization, leadership, coordination, and control, and is regarded as dealing with management. Frederick Taylor's² scientific says: Leaders identifier ((that management is that you know exactly what you want, and then make sure that the individuals to play with the best and cheapest way possible)). It is the definition of Taylor's unclear that management is "knowing what is Required work of individuals and make sure they are performing their duties with the best and cheapest ways ". Known John Mai administration as ((the art of getting the finest results with minimal effort in order to achieve maximum vogue and happiness for both employer and employees while providing the best possible service to the community)). While known Kuntz and Adunal as ((function implementation by other things. ((Ralph Davis says that the administration is "the work of executive leadership ." This is Peterson and his administration knew that it Plowman ((method by which to identify and clarify the purposes and objectives of certain humanitarian group))). According to Oliver Sheldon administration as ((function for determining the policies of the project and coordination between the various functions and the adoption of the organizational structure and oversight of the work force)). There is another definition of a simplified management: ((the process of achieving specific goals, using the effort, drawing on human and material resources are available.

It definitions famous definition says that the administration is: the process of human social co-ordinated the efforts of workers in the organization or institution, as individuals and groups to achieve the goals established institution in order to achieve, Mtokhin the best possible use of the potential physical, human and technical resources available to the organization. The administrative He is the man who directs his efforts, and the efforts of others with him to achieve the agreed goals, using the processes and management skills with optimum use of the capabilities and possibilities. In order to interact targets different patterns of behavior of individuals and groups within the organization, in the knitwear is directed towards the goal, and in which workers and jobs according to their particular roles in the context of the location of each of them of the organizational structure and job duties assigned to it in the organization .

These are some of the various definitions and concepts of management, for different disciplines based on the definition, and the periods of their writings, and the circumstances prevailing at the time identified the concept of management. Definitions will not stop because the administrative process in constant evolution, and in the conditions of dynamic renewable. It is the concepts and definitions of the previous management could be reached the following observations :

- A. That the Department applied to the collective group and not the individual .
- B. That the administration should have a specific goal .
- C. That management must be based on the achievement of social benefit and a specific goal.

Leaders need to:

There is no disagreement about the importance of management and it's needed in business activity . A quick look at the previous concepts of management emphasizes the need for it, because this is science or art seeks to achieve the welfare of the community , and serve the goals of the project. On this basis, we can say that the importance of management and the need for it stems from the following³:

1. That management science is based on the basis of scientific principles and concepts of organization and tidy.
2. That the survival and growth of enterprises depends primarily on the ability of these projects to achieve the desired goals . Since the administration is the foundation for the success of any project that seeks to achieve its objectives , its presence means to ensure the achievement of these goals.
3. That management is the focus of the activities and commands and the axis of pay individuals to receive and implement decisions.
4. And management has become a profession and became a huge circle of knowledge.
5. Leaders create leaders and conscious and committed to , if they are committed to the same management and promising.
6. And scientific management has become an influential benchmark for the advancement of nations and provided.

The administration is considered a kind of human capital needed for successful economic development

¹Mc. James , op cit, p 11.

² Mechel.O. A, p 12.

³ <http://www.alrubban.com/edaryyat.htm>.

and that at least as important as the rest of the work items used in various projects , if not the most important at all. It is through sound management can take advantage of all the elements fully , and Mmatkdm can say that the administration has become a basic need and an urgent and decisive in the life of the projects.

Management functions:

Form and management functions in the aggregate principal component of the process and handled administrative managers , it was linked to their practices and so -called jobs Director , which include the following:

(1)Planning:

Planning is the first function in the administrative process . Through planning defines the objectives to be accomplished for each level of organization and methods to be followed to achieve these goals . , And there are key sets of plans , the first of which usually cover a period of time is relatively long , such as plans to provide new products and product development Current expansion plans in energy production , while we find that short-term planning includes plans that are put to production scheduling during the week or month , and sales plans during the six months or less , and so on. The managers all this function Manmaachtfatt relative importance and coverage of the planning process from one location to another.

(2)Regulation:

We mean the organization make all the arrangements and relationships necessary to the work of any organization , and this requires the actions and procedures concerned with the organization and attention to aspects of the organization and ranked them. Considered management scholars this function of the basic administrative functions , ie primary duty of any manager, this duty includes the development, and interest in all aspects of fixed and stable in the organization.

(3)Guidance:

Means Directive clarification and explanation and definition of the road or the method or correct performance down to the desired goal , or in other words, aims guidance mainly, to guide the workforce and teach how to accomplish various tasks associated with the greatest possible efficiency , since it involves so stimulated and urged them and enticing in the demand for work through the use of portlets behavioral and humanitarian help to create an atmosphere of trust and mutual respect between workers each other on the one hand and between them and the administration on the other hand include routing function definition of the organization and its objectives , policies and any developments or changes pass out , and also train staff and develop their skills and prepare them to take up positions higher , in addition to making sure the clarity of all duties and business .

(4)control:

Specializes in control of the final output of the assessment of the particular activity or activities designated in conformity with the criteria laid down and identify deviations, if any, and work to correct them .

Or control ((designed to evaluate the results of the work of various departments and sections of the Organization to make sure that what has been which corresponds to the plan Aloduah and achieve the desired goals and assists in identifying the extent of the efficiency of workers to do what they are asked of tasks within the delivery rates of target, which requires a Three basic steps are :

1. The development of regulatory standards under which to measure rates of actual performance .
2. Performance measurement, either through oral or written reports or other roads, compared to the established criteria to determine the differences or deviations, if any .
3. Diagnose problems and take the right actions, whether appropriate amendments to the method of application, or the redistribution of work and terms of reference or to make changes in the plan or goals ... Etc., taking into account to avoid the recurrence of such problems in the future .

These are the four management functions to which it refers most managerial literature, which is not limited to enterprises or institutions without the other, but are used widely in all aspects of human activity .

We have thus we had this requirement in some important concepts in modern management, which must be identified before delving into the details of the research, the researcher has taken something from the abbreviation is a crowbar .

Modern management between the origination and evolution :

Like other modern management science from the beginning of its origins and then took in the progress and development, which, as previously reported from cutting-edge science throughout the ages because it is linked to human activity, human activity and renewed in every moment, and when .

((Administration modern, began as a science talk since 1332 when it put forward thinker, the great Arab Ibn Khaldun in his introduction famous ideas of the great economies associated with the performance of the business, making it the father of this science, and early this century began intellectual movements in management science from the basics raised by son Khaldoun, to become a modern management principles and scientific grounds))¹.

¹ CRM McGraw Hill, (2002).pdf.

Chapter II : procedures for the field survey , and the findings and recommendations:

The field procedures is one of the most important stages of scientific research , where these actions by the researcher can be designed tools that have obtained the information that will help in proving hypotheses and determine the results and make recommendations.

Procedures for field survey:

Interested in this part of this chapter, field procedures conducted by the researcher , so that he could get the information required to complete this search. The study field its utilities through which we can obtain such data and information that the study , and then after you get the data there is a review and unloading and the tab for this data , so that data can be ready for processors statistical , to eventually become useful information , useful for research purposes , and objectives set by the researcher . In order to conduct a field survey accurate and complete , we dealt with in this section the main tool for data collection (The survey) , with that the researcher has used in his research that all available means of (Note , a questionnaire , and an interview) , but the focus was on this medium (questionnaire) in primary data collection , because it is considered an effective way in such a circumstance . All of this is in the context of the study methodology set followed by the researcher to obtain the required data from the community and the study sample , governance, providing him this tool is a great opportunity to collect the necessary data and information search , was this newspaper is the first means and the task to collect data from the study sample.

Data collection tool:

Made clear during this research that the tools used to complete this study are : observation, interview, questionnaire , we have used the tool in the first and second Collapse this field study . The third and final tool , has been to focus on because it is an effective tool by which to obtain data and information on the many and abundant necessary to conduct this research . It has begun the design of this tool is a questionnaire with great care to be this form container and covering all the questions from which we get the required information for all aspects of the research , so we can prove hypotheses or Nnfea on the facts and information conclusive and uncertain.

The coefficient alpha Cronbach (Alpha - Cronbach) as an indicator of the homogeneity of procedure of the axes , have been distributed around (25 Form) to sample the stability of random , it was found that the questionnaire has transactions constancy relatively high , was the reliability coefficient for the segment paragraphs axes study main , of (paragraph 15) distributed on three axes , a reliability coefficient of 0.857 appropriate.

Statistical treatment of the data:

The statistical treatment of the data aimed at analyzing field data, in order to achieve the hypotheses that have been developed by the researcher, and is used in this statistical processing computer, specifically software is used statistical analyzes and known as SPSS, a shortcut Statistical package for social sciences and translate Arabic Statistical Package Social Sciences, and these programs have a lot of methods and statistical treatments. The researcher selected this program, known as (SPSS) is to be the wizard statistical research data, and so to Know minute through his use in the Master's thesis and doctoral degrees and a lot of research that has prepared recently, as well as all previous studies that stop by the researcher uses almost the same as this program.

Display and analysis of the survey results:

The researcher distributed number (90 form), of which 30 form for each college, and so on a random sample of employees and faculty members at the university concerned with the study, and gave the sample sufficient time to answer the questions you want, and then received from the concerned form the survey after they had filled out and answer them .

After collecting the forms, the researcher reviewed and found the number had decreased to (Form 82) of the total number of (Form 90), and then reviewed the data from each form of the forms available to him, to make sure that there are no missing data. After the completion of the review process, the researcher serially numbered forms, and then dump the data and information compiled manually in spreadsheets prepared by the researcher specifically for this purpose, then was introduced to this data from the tables to the computer by a professor who specializes in the field of statistical analysis. Where variables were coded data contained in the numerical variables, in order to test statistically treated the research hypotheses .

In Below view and analyze the results of the questionnaires that were collected from the University of bundled emerging (University under study), which were analyzed by statistical analysis (SPSS), and it is all a prelude to test hypotheses. In the following tables prove the hypotheses and an explanation of the results that have been obtained by statistical analysis SPSS.

Prove the hypotheses:

This requirement addresses the researcher hypotheses that have been developed by him at the beginning of this study, and through statistical analysis that has been a newspaper survey, using the quality test of conformity (Chi-square test), to test the hypothesis that duplicates viewing each phrase follow uniform distribution, that is, frequency distribution Answers (strongly agree, agree, unspecified, I do not agree, do not strongly agree), comes in equal proportions not a significant difference between them. After data entry and testing using the SPSS program we have acquired on the value of (chi-square), and the level of significance, where comparable level of significance level of morale (0.05) If less of them, it means that the distribution of frequencies viewing is not systematic, which means that there is a clear difference moral is likely the majority of some duplicates on the other, or if the level of significance is greater than or equal to (0.05), it means that duplicates viewing trace regular distribution of any that there is no strong evidence of a difference between the duplicates, for example, if the value of the level of significance of the term is less than (0.05), it means that the occurrences of the answers is not regular, it can use the arithmetic mean of the term to see which answers the most frequent and therefore know the direction of the ferry. The arithmetic mean hypothesis, might, that we get it through a points scale used to weigh the answers, where the distribution of points on the answers as follows: Strongly Agree (5) points, agree (4) points, unspecified (3) points, I do not agree (2) Points, strongly disagree (1) points, total points (15 points), then the arithmetic mean is equal hypothesis (3) holds $(5 + 4 + 3 + 2 + 1) / 5$ If the arithmetic mean is greater than or equal to the central premise (3), it is likely that the majority of the answers (agree and strongly agree), that is, the direction of the ferry would be a positive, but if the arithmetic mean of less than middle hypothesis of the term, it is likely that the majority of the answers (I do not agree, or strongly agree), that is negative direction of the ferry.

The first hypothesis: there is a statistically significant relationship positive (positive correlation) between the strong evolution of scientific disciplines and the application of modern scientific management university arising under study.

Table (1) Statistical analysis of the phrases first hypothesis

| Phrase | Mean Arithmetic | Deviation Standard | K 2 | Level Significance |
|--|-----------------|--------------------|--------|--------------------|
| 1. The application of modern scientific management led to a remarkable development in the scientific disciplines. | 3.19 | 0.35 | 201.30 | 0.000 |
| 2. Scientific disciplines have become more pronounced after the application of modern scientific management. | 3.30 | 0.32 | 236.31 | 0.000 |
| 3. Scientific disciplines increased her fame and prestige after the application of modern scientific management. . | 4.02 | 0.96 | 2108.3 | 0.000 |
| 4. Laboratories are working better after the application of modern scientific management. | 3.07 | 1.01 | 45.22 | 0.000 |
| 5. Services has become a way that provides the best after the application of modern scientific management. | 3.01 | 1.21 | 22.03 | 0.000 |

Source: Statistical analysis SPSS.

1. Since the arithmetic mean is equal to 3.19 greater than the mean expected (3) This means that the application of modern scientific management led to a remarkable development in the scientific disciplines, and the level of significance equal to zero confirms that significant.
2. Since the arithmetic mean is equal to 3.30 greater than the mean expected (3) This means that the scientific disciplines have become more pronounced after the application of modern scientific management. The level of significance equal to zero confirms that significant.
3. Since the arithmetic mean is equal to 3.07 greater than the mean expected (3) This means that the scientific disciplines has increased her fame and prestige after the application of modern scientific management, and the level of significance equal to zero confirms that significant.
4. Since the arithmetic mean is equal to 3.01 greater than the mean expected (3) This means that laboratories these scientific disciplines are working better after the application of modern scientific management, and the level of significance equal to zero confirms that significant.
5. Since the arithmetic mean is equal to 3.01 greater than the mean expected (3) This means that the services have been submitted by the scientific disciplines in a way better after the application of modern scientific management, and the level of significance equal to zero confirms that significant.

From the above it can be concluded, that there is a statistically significant positive (positive correlation) between the strong evolution of scientific disciplines and the application of modern scientific management

university arising under study, and this confirms the validity of the first hypothesis.

The second hypothesis: there is a statistically significant relationship positive (positive correlation) between the evolution of a strong performance of employees and the application of the scientific disciplines of modern scientific management university arising under study.

Table (2) Statistical analysis of the second hypothesis phrases

| Phrase | Mean Arithmetic | Deviation Standard | K 2 | Level Significance |
|---|-----------------|--------------------|--------|--------------------|
| 1. The application of modern scientific management led to a major development in business management. | 3.01 | 1.11 | 171.7 | 0.000 |
| 2. Benefited from modern scientific management in completing your business better. | 3.11 | 1.31 | 123.9 | 0.000 |
| 3. Applying modern scientific management helped in providing a lot of services. | 3.88 | 1.78 | 188.9 | 0.000 |
| 4. Use of modern scientific management save you a lot of time. | 3.97 | 1.65 | 120.81 | 0.000 |
| 5. Administration has become more modern after application of modern scientific management. | 3.39 | 1.41 | 232.02 | 0.000 |

Source: Statistical analysis SPSS.

1. Since the arithmetic mean is equal to 3.01 is greater than expected in the middle (3) This means that the application of modern scientific management scientific disciplines of the institution under study led to a major development in the administrative work, and the level of significance equal to zero confirms that significant.
2. Since the arithmetic mean is equal to 3.11 greater than the mean expected (3) This means that there is a benefit of modern scientific management in the completion of the work better, and the level of significance equal to zero confirms that significant.
3. Since the arithmetic mean is equal to 3.88 greater than the mean expected (3) This means that the application of modern scientific management scientific disciplines of the institution under study, helped provide a lot of services better than it was, and the level of significance equal to zero confirms that significant.
4. Since the arithmetic mean is equal to 3.97 greater than the mean expected (3) This means that the use of modern scientific management scientific disciplines of the institution under study has provided a lot of time management, and the level of significance equal to zero confirms that significant.
5. Since the arithmetic mean is equal to 3.39 greater than the mean expected (3) This means that after the application of modern scientific management scientific disciplines of the institution under study, management has become more modern and sophisticated than it was ever before, and the level of significance equal to zero confirms that significant.

The third assumption: there is a statistically significant relationship positive (positive correlation) between the evolution of a strong performance of the faculty members of the scientific disciplines and the application of modern scientific management university arising under study.

Table (3) Statistical analysis of the phrases third hypothesis

| Phrase | Mean Arithmetic | Deviation Standard | K 2 | Level Significance |
|--|-----------------|--------------------|--------|--------------------|
| 1. The evolution of performance as a teaching after the application of modern scientific management. | 3.02 | 1.03 | 101.11 | 0.000 |
| 2. Become more satisfaction from your work after you apply modern scientific management. | 3.15 | 1.01 | 125.29 | 0.000 |
| 3. Applying modern scientific management easy and Mahnbarat your labs. | 3.13 | 0.41 | 117.21 | 0.000 |
| 4. The classroom has become cleaner and more beautiful after you apply modern scientific management. | 3.09 | 1.02 | 131.50 | 0.000 |
| 5. Students have become more accommodating after the application of modern scientific management. | 3.01 | 1.04 | 67.15 | 0.000 |

Source: Statistical analysis SPSS.

1. Since the arithmetic mean is equal to 3.02 greater than the mean expected (3) This means that the teaching performance of the faculty member develops after the application of modern scientific management , and the level of significance equal to zero confirms that significant .

2. Since the arithmetic mean is equal to 3.15 greater than the mean expected (3) This means that the faculty member became more satisfaction from his work after the application of modern scientific management , and the level of significance equal to zero confirms that significant.
3. Since the arithmetic mean is equal to 3.13 greater than the mean expected (3) This means that the application of modern scientific management easy work of a faculty member and Mahnbarat labs , and the level of significance equal to zero confirms that significant.
4. Since the arithmetic mean is equal to 3.09 greater than the mean expected (3) This means that the university classroom under study , has become cleaner and more beautiful after the application of modern scientific management , and the level of significance equal to zero confirms that significant.
5. Since the arithmetic mean is equal to 3.01 greater than the mean expected (3) This means that students are becoming more accommodating after the application of modern scientific management , and the level of significance equal to zero confirms that significant.

Results

Researcher managed through theoretical study and field test hypotheses and to come to a number of important results of this study are summarized below:

1. Is the modern scientific management of the most important factors that will help the development of scientific disciplines emerging in Saudi universities , and this administration plays an important role and the president in this development.
2. Department managers of these scientific disciplines Saudi universities are giving attention to the emerging modern scientific management , but do not use them frequently in their daily routine administrative.
3. The modern scientific management mainstay in all business disciplines emerging in Saudi universities , so they are working to absorb everything that is new and modern in the field of modern scientific management.
4. Universities in developed countries were able to achieve the desired benefit of modern scientific management in all of its disciplines and different universities emerging Enma has not yet achieved the full benefit required its image.
5. Reached first hypothesis that there is a statistically significant positive (positive correlation) between the evolution of a strong scientific disciplines and the application of modern scientific management university arising under study . So that whenever applied scientific disciplines in universities arising under study modern scientific management application is true, the more the evolution of these scientific disciplines.
6. We find the second hypothesis has proved that there is a statistically significant positive (positive correlation) between the evolution of a strong performance of employees and the application of the scientific disciplines of modern scientific management university arising under study . This means that the staff of these scientific disciplines using them for these modern scientific management , administrative their performance became more sophisticated.
7. The third hypothesis has resulted in a relationship there is a statistically significant positive (positive correlation) between the evolution of a strong performance of the faculty members of the scientific disciplines and the application of modern scientific management university arising under study . This means that the performance of the faculty members of the scientific disciplines in universities increased sophisticated emerging after the application of modern scientific management out.

The summary of these results is that the modern scientific management have a significant impact and clear in the development of scientific disciplines in Saudi universities emerging , and that these universities emerging benefited from this modern scientific management utility Jamie , especially in the development of the management of these scientific disciplines , and that these universities are working to keep up with administration modern scientific , and so draw the plans and visions of the future , solving problems and obstacles facing the implementation of these modern scientific management . But to be more in terms of interest and keep up to this modern scientific management.

Recommendations

Depending on the findings and previous findings, and accessories to complement the research, the researcher progresses some of the recommendations in order to benefit from them, and these recommendations are the following points :

1. The application of modern scientific management in a comprehensive manner in all scientific disciplines, including theory and emerging Saudi universities, so as to ensure the development of

- these disciplines and services, in order to keep pace with world famous universities .
2. Increase the level of senior management perceive the Saudi universities emerging benefits and opportunities offered by modern scientific management, in order to adopt these departments positive attitudes towards these modern management, and thus provide the necessary support to make decisions and adoption application for development and progress .
 3. More attention by senior management in this emerging Saudi universities to create a solid infrastructure and a solid to apply these modern scientific management in all its specialties of various colleges .
 4. Interest in raising the level of skill and experience of staff and faculty members of these universities in the emerging field of application of modern scientific management through the provision of training programs, internal and external, and provide the necessary support for these programs .
 5. Need to focus on the problems of working with applications of modern scientific management, while providing the necessary support to address these obstacles and problems they face .
 6. Cooperation between the staff and faculty members and senior management of this emerging Saudi universities, and various academic institutions, to take advantage of the progress that we have reached international universities in this area, so as to ensure the development of this emerging its specialties of various universities .
 7. Illustrate the positive impact of the application of modern scientific management in the level of performance of employees and increase their self-confidence to keep pace with developments in this area through briefed on all developments through continuous training sessions .
 8. The adoption of modern management programs at the university level Arabia and other emerging universities in the world, and reward employees who demonstrate outstanding, and thus culture dominates modern scientific management on all scientific disciplines, including theory, and becomes these disciplines in Saudi universities emerging more quality and sophisticated.

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