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THE ROLE OF RESOURCE PLANNING (ERP) SYSTEMS IN RAISING THE LEVEL OF QUALITY PERFORMANCE FOR PROJECT MANAGEMENT

Mohammed Sadeq Mohammedali*
*Faculty of Islamic Sciences, Kerbala University, Iraq.
mohammed.s@uokerbala.edu.iq
ORCID: 0000-0002-9448-6296

Taicir Moalla Loukil**
** Faculty of Economics and Management Sciences. Sfax University, Tunisia.
Taicir.loukil@fsegs.usf.tn

A B S T R A C T

The large size of projects in Iraq requires the provision of material, a human, administrative, financial and engineering resource, which requires searching for the most important modern means and systems and programming them to ensure the implementation and completion of projects within a high level of performance quality and within the axes of time, cost and quality specified for them. This research dealt with the concept of inbound planning systems (ERP). Which enhances the effectiveness of the performance quality activity, which in turn has a positive impact on the level of project management performance, by clarifying the role of resource planning systems (ERP) in raising the level of performance quality for project management, through an applied field study on projects in the Iraqi governorates of Baghdad and Karbala, where a sample was formed. The study included project managers who numbered (218) people working in government institutions such as the Projects Department affiliated with each governorate, the Projects Department affiliated with the Baghdad Municipality, the Planning and Follow-up Directorate, and the Engineering Planning Department affiliated with Karbala Governorate. The researcher used the descriptive analytical approach and the questionnaire as a tool for the study, as this research aims to clarify The positives of the concept of inbound planning systems (ERP) and the basic dimensions that depend on it, which are human resources, production, customer relationship management, supply chain management, resource engineering and operations, after formulating the research problem that was built through problems faced by project managers, specialists, relationship and officials through the disruption

K E Y W O R D S

Resource planning systems; Quality performance of Project Management; Supply chain management; Customer Relationship Management; Planning; Resource and Process Engineering; Feasibility study; Implementation; Quality.

of the work of government projects. On the basis of it, the study hypotheses were formulated, and the study objective was set.

The study reached many results through the second questionnaire to determine the extent of the relationship between inbound planning systems (ERP) and improving the quality of performance for project management through analyzing them with the SPSS program, the most important of which were: the interconnection and the important impact of inbound planning systems (ERP) on the quality level. Performance for project management. The research also included many recommendations, the most important of which was the necessity of activating the concept of introducing modern and globally developed systems in project management, especially those that have been used by successful projects, and the necessity of adopting the dimensions of resource planning systems (ERP) in the institutions concerned with project implementation in all state institutions. Because it leads to raising the level of quality of project management performance, which in turn leads to the success of projects to very high levels, and taking adequate preventive measures to prevent the occurrence of problems that affect the level of project management performance through coordination and continuous exchange of information between senior management and its executive cadres, and developing the scientific and administrative knowledge of Project managers, especially in the departments and divisions responsible for designing, planning and following up on the implementation of projects and setting clear schedules and specifications about the quality of performance for all administrative levels, by subjecting them to specialized courses and seminars and granting them a certificate of experience in these fields to benefit from this experience in institutions, government departments or private companies.

Introduction

Recently, the importance of applying the concepts of project management success has increased, in light of global competition and the scientific, technological and knowledge revolution, organizations are accelerating and racing to upgrade the level of outputs and services they provide to their customers to achieve a distinct position for them at the local and global level, and because the project sector occupies a distinct position among the Performance in this sector.

Many administrative methods have been applied in projects in order to improve their performance management, and one of these methods that can be applied is the resource planning method, which works to develop project planning and implement it fully by the public sector, and in turn, the project plan is handed over to the private sector to be implemented according to the plan by reducing costs However, this method can cause some operational problems if there are no specialized cadres who have sufficient experience in the field of planning in order to prevent mistakes in planning and implementing projects . shows the structure of the study:

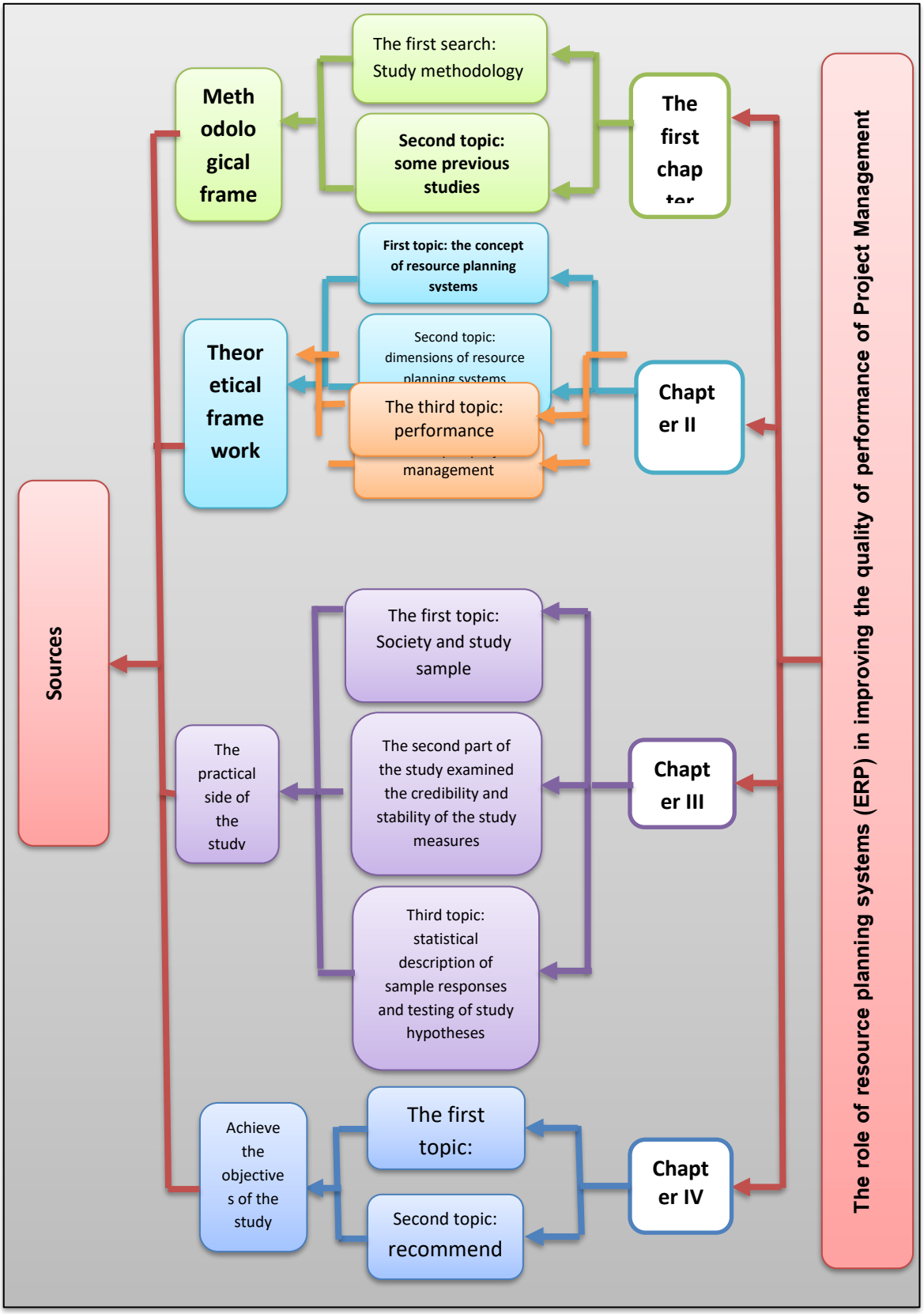

Figure (1) the structure of the current study

Source: prepared by the researcher

First: The problem of the study

The problem of the study, as indicated by the field reality of the subject of project management, lies in the weak attention to the requirements of effective and successful planning through how to reduce costs, which led to a decrease in the quality of project implementation and the emergence of many obstacles in the implementation work for projects in general, due to the lack of Project management, including the method of resource planning and the ability of this method to improve performance and reduce costs.

The problem of the study can be manifested by the following main question:

(to what extent is it possible to activate the resource planning systems (ERP) to improve the quality of performance of Project Management) and the following questions branch off from this question :

1-theoretical questions of the study:

The theoretical questions of the study have been identified in the light of what the researchers recommended in previous studies, in addition to the results related to the study variables that can be explained by the

following:

-What are the intellectual foundations of the study variables represented by (resource planning systems, performance quality, project management) in general

-What are the criteria used in measuring the study variables across its sub-dimensions by the authors and researchers

-What is the nature of the relationship between the main study variables and their sub-dimensions How can it be used in the practical aspect

-Does the sample and the study community have a clear vision and

understanding of the study variables and their sub-dimensions

2-practical questions of the study:

The practical questions of the variables of the study are determined in the light of the understanding of the individuals in the sample of the study community of the studied variables and as indicated by the following:

-what extent is the study sample aware of the application of study variables in the study community and what is its level

-What is the type of relationship between the main study variables at the level study sample community

-What is the level of direct impact of ERP systems with their dimensions on the quality of project management performance for the study community

-What is the level of indirect impact of project planning systems with their dimensions on the quality of project management performance

Second: the importance of the study

The importance of the study lies in the axes and points that the researcher will address, and the concept of resource planning is one of the most prominent foundations for the success of Project Management and one of the most important things nowadays that distinguish the performance of a company or sector in this competitive era from another sector, as large projects undoubtedly need accuracy in

planning and commitment to the implementation time, so the focus in this study is on Planning the project within the concept of (Resource Planning), which has earned it special advantages over the rest of the corresponding studies in the same specialty, which can be determined by :

1-renewed content: this study derives its importance from the novelty of its variables, as this study adopted a new concept (resource planning systems, performance quality, project management) , as the researcher noted that there is no study or scientific effort that combines these variables previously. In the Arab environment in general and the Iraqi environment in particular.

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2Knowledge content: it will be determined in the light of the conceptual structure that this study will produce, as the study variables contain concepts of importance in the field of management science, namely (resource planning systems, performance quality, project management)، as the interaction and intellectual integration between the study variables and their sub-dimensions have gained them scientific importance in the administrative field.

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3field content: the study derives its importance by taking the opinions of specialists in the field of Management Science and project management, as well as the most important statistical programs with high accuracy will be used to measure the correlation and impact relationship between the mainand secondary study hypotheses.

Third: objectives of the study

The study aims to find out the extent to which resource planning systems (ERP)contribute to improving the performance of the department responsible for planning and implementing the project and controlling its resources and maintaining the non-waste of resources involved in the project of all kinds, such as human resources, financial resources or resources involved in the project stages in different projects and types of production, construction, service, etc.

The study aims to clarify the current picture of the project management implementation mechanisms followed by the concerned authorities in various government sectors, what are the most important obstacles and problems that may arise during the implementation of the project, and what are the most important weaknesses that government sector cadres lack that are directly related to the implementation of projects in general.

This study came to investigate the impact of resource planning systems in improving the effectiveness of evaluating planning performance through a model that includes the important proactive details of the project and the processes that include planning, implementation, control and others in evaluating the performance of Project Management in light of the scarcity of resources.

The study also aims after observation and investigation by all scientific methods on the procedures of the project process, here we have a complete picture of what additions can be provided (ERP ,(which in turn contributes to increasing the effectiveness and raising the quality level of the project, here comes the important role of resource planning systems (ERP (by achieving the required goals of the project by completing All the shortcomings that have been discovered and work to complete them to achieve the desired result, as this study aims to achieve the following sub-goals:

1-theoretical objectives of the study :

Provide a philosophical cognitive framing of the main study topics (resource planning systems, performance quality, project management) and their sub-dimensions by reviewing various solid intellectual theses in the literature of Management Science and conceptual framing that explains these variables.

2-practical objectives of the study:

These goals were rooted in the light of the homogeneity and interaction of the study variables in practice in sample study community according to the following:

-Determining the level of application of the main study variables and their sub-dimensions in study community and the priorities of their adoption in the study sample.

-Test the level of correlation between the main study variables and their sub-dimensions statistically at the level of the study community sample.

-Testing the level of the influential relationship of employing resource planning systems in the quality of performance of Project Management statistically at the level of the study community sample.

Fourth: the study model

The study model is an intellectual construction of a set of facts that provide a simplified and concise virtual representation of the phenomenon under study represented by the main variables (resource planning systems, quality of performance for Project Management), the measurements of which were determined in the light of the study, the study model includes the following variables:

1-Independent variable (Variable): it is represented by resource planning systems and their dimensions represented by(Human Resources, production, supply chain management, Customer Relationship Management, Resource Engineering and operations).

2-The dependent Variable is represented by the quality of project management performance and its dimensions (planning, feasibility study, implementation, quality). As shown in the following Figure (2)

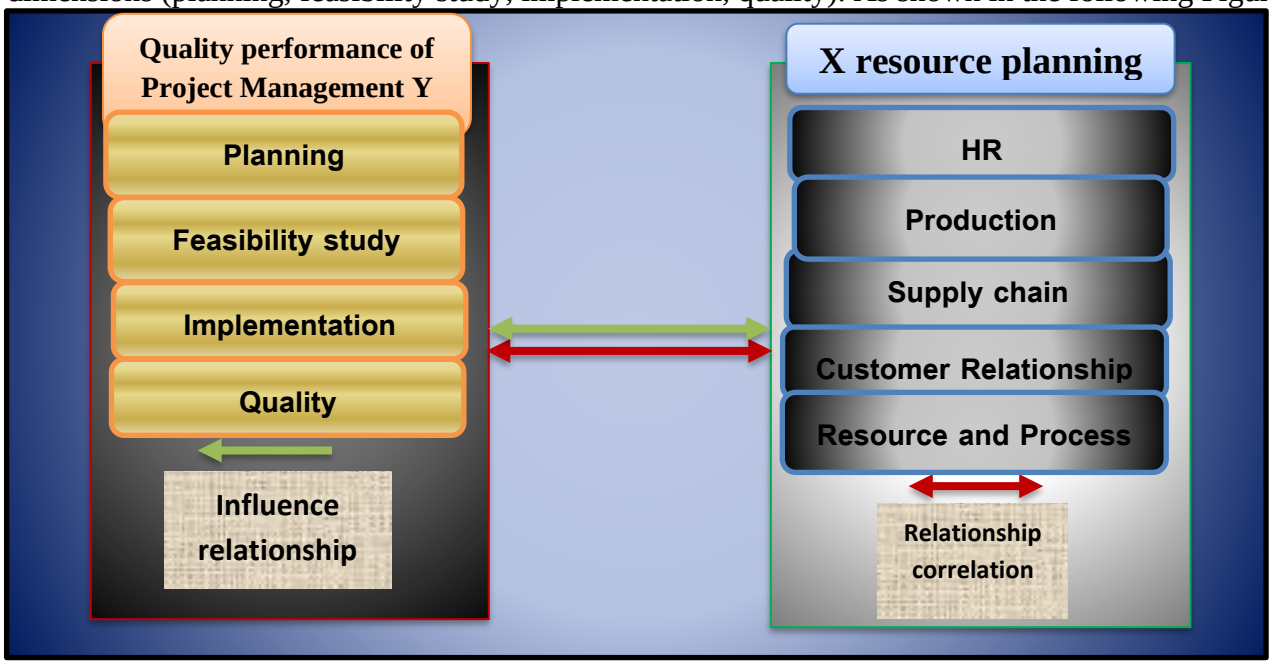

Figure (2) / hypothetical study model

Source: prepared by the researcher

Fifth: study hypotheses

The study hypotheses were formulated according to the problem of the study, its objectives and its hypothesis scheme, namely :

The first main hypothesis :there is no statistically significant correlation between the application of the resource planning systems method and improving the quality of project management performance, and the following sub-hypotheses emerged from it:

- There is no significant correlation between human resources and the quality of performance of Project Management .
- There is no significant correlation between output and the quality of performance of Project Management .
- There is no significant correlation between supply management and the quality of performance of Project Management .
- There is no significant correlation between CRM and the quality of performance of Project Management .
- There is no significant correlation between resource and process engineering and the quality of performance of Project Management .

The second main hypothesis: no statistically significant impact relationship between the application of the resource planning systems method and improving the quality of project management performance, and the following sub-hypotheses emerged from it:

- There is no significant impact relationship betweenhuman resources and the quality of performance of Project Management .
- There is no significant impact relationship betweenoutput and the quality of performance of Project Management .
- There is no significant impact relationship betweenchain management and the quality of performance of Project Management .
- There is no significant impact CRM and the quality of performance of Project Management .
- There is no significant impact relationship between engineering and the quality of performance of Project Management .

The third main hypothesis: there is no statistically significant relationship between the studied sample and improving the quality of performance of Project Management) gender, age, career level, scientific qualification, years of Service)

Sixth: study limits

1-Spatial boundaries: the spatial boundaries of the study are represented by a group of ministries and departments of state projects. the study sample was selected for the purpose of conducting the field side. this sample was chosen because of its accumulated experience in project management and distinguished administrators and engineers in this field.

2-Human limits: the human limits of the study are represented by the studied sample, which was selected (targeted) and will consist of project managers, engineers and administrators specialized in the field of Project Management and implementation in the study sample .

Seventh: information and data collection tools

1-Theoretical aspect: researcher will rely on several methods in the data collection tools, including books, refereed journals, master's theses and doctoral theses related to research variables to enrich and build the intellectual framework of research as well as benefit from the vocabulary of methodology and previous studies.

2-Practical aspect: researcher will rely on the statistical aspect through the questionnaire as the main tool and the five-point Likert scale to obtain the necessary data to conduct statistical analyses and stand on their results in order to point to the conclusions inspired by them as well as recommendations related to them.

Eighth: study curriculum

1-The descriptive-analytical approach will be adopted in the study because it is the best approach in exploring what the researcher aims at in his thesis.

2-Practical side the appropriate statistical programs test to measure the truthfulness and constancy of the study measures, weighted arithmetic mean, standard deviation and coefficient of standard difference to describe and diagnose the answers of the study sample, perform correlation analysis (Pearson(regression analysis using structural equation modeling and trajectory analysis to test the study hypotheses .

The study was divided into five chapters and includes several investigations, as follows:

-The deals with the methodology of the study and some previous studies and includes two researches, the first one deals with the methodology of the study and the second one deals with some previous studies.

-The second chapter deals with the theoretical side of the study and includes four discussions devoted to the first to resource management systems, the second to the methods of implementing the concept of resource planning systems, the third to the quality of performance and the fourth to project management.

-The third chapter deals with the field side of the study and includes three researches, the first of which is devoted to examining the credibility and stability of the study measures, the second is the statistical description of the responses of the study sample ,and the third is the analysis and testing of correlation and influence relationships between the study variables.

-The fourth chapter contains conclusions and recommendations**.**

Previous studies

1- study of al-Kasasbeh, Mohammed Abdul Mahdi (2005) entitled "The impact of the effectiveness of the organization's resource planning system in the psychological empowerment and organizational commitment of workers: a field study on the Arab Potash Company" master thesis, College of business / Middle East University.

This study aimed to identify the impact of the effectiveness of the resource planning system (ERP) in the psychological empowerment and organizational commitment of workers through a practical field study in the Arab Potash Company, as it dealt with a very important topic to deal with the changing and unstable work environment through the effectiveness of the organization's resource planning system at a time when the failure of many Organization resource planning system

2-study T. (Teodor) Beleţ , A. A. (Anca) Purcărea (2017) titled :
" The Evolution of Enterprise Resource Planning Systems "
The management of organizations needs effective information systems to improve competitiveness by reducing cost and improving logistics, as it is universally agreed by large, small and medium-sized companies (SME) that the ability to provide the right information at the right time brings enormous rewards to organizations in a global competitive world of complex business practices, and enterprise resource planning (ERP) can be defined as a framework for organizing, defining and standardizing business processes necessary for effective organization planning and control so that the organization can use its internal knowledge to gain an external advantage, and in this paper presents the growth and success of adopting and developing Organizations throughout history and closely following the development of enterprise resource planning (ERP) systems and the amazing developments in the field of computer hardware and software systems, there is still an endless process in the ERP market of re-engineering, development, introducing new products and solutions, integrations continue, the main players continue to build their products and the next stage of ERP systems will be embedded products.
3-study Prof. Dr. Tapas Kumar , PVL Narayana Rao (2017) titled :
"Strategic ERP [Enterprise Resource Planning] System Planning in Alignment with Business Planning for its Improvements"
The enterprise resource planning (ERP) system is one of the most widespread business management systems in the modern and developing world of management, provided that it takes advantage of real-time capabilities and full business communication in large organizations, however, not all applications of enterprise resource planning (ERP) systems have succeeded because the implementation of enterprise resource planning touches entire organizations such as the process, people, culture, etc., there are a number of experiences that companies may encounter in the application of ERP (ERP) such as the business approach is important for all organizations, as almost 500 companies are implementing ERP (ERP) systems to improve the implementation of their business strategy and improve merging with Information Technology (IT) strategy. This study monitored the planned alignment of business and it and proceeded to determine whether the implementation of ERP can drive the re-engineering of business processes and the strategic alignment of business and it.

Concepts and terms of study

First: the concept of resource planning systems

ERP systems (ERP) is a comprehensive integrated system that governs all aspects of business and gives you the automation and integration of your business for basic operations such as receiving customer orders, planning operations, maintaining inventory records and business data , and the use of ERP systems (ERP (provides user transparency in the entire business development through which all departments can view documented information To ensure that the correct actions occur and this enables the ERP system (ERP) From acting as the central core of the overall workflow and data with advances in technology and customer requirements ERP designers have been forced to deal with new advances and therefore new ERP system designs have been made to satisfy companies and customers by developing new ERP business models .Today) ERP a wide range of functions

within themselves and is becoming a popular solution in a business organization, moreover one of the biggest challenges facing) ERP is to maintain their speed with the manufacturing part that was rapidly moving from product focus to customer focus,This demand has encouraged most enterprise resource planning (ERP) vendors to add functionality and modules to their platforms.) Subhi R & others:2020, p1885).

Second: the importance of resource planning systems: ERP systems are of great importance for business and

Working environments today, while looking at various organizations and the processes associated with them it can be said that enterprises are not separate entities at work, since each department works independently of the other. Management is integrative processes in which all departments work in harmony with each other to achieve the overall goals and objectives of organizations. stated that among the most significant advantages of using ERP in organizations are the integration of various tasks and functions and assisting senior management in decision-making processes by providing various alternatives and demonstrating the associated negative and positive effects (Avram, 2010: p196-208).

Third: definition of resource planning systems:

For each term, concept or system, there are many theoretical definitions touched upon by the researchers, and they focused in their definitions on the most basic ideas of this term and the results that can be achieved if any new system or concept is adopted that affects the institution, so the researcher will collect some definitions from scientifically approved references so that the reader can get an adequate and comprehensive idea about the resource planning systemERP).

Ultra is defined as "enterprise resource planning (ERP) as enterprise system, integrated management system or integrated enterprise system" (Ultra, R :2012 ,p48).

SUAREZ also defined it as"an integrated business management software due to its functional modules in logistics, finance, HR confiscation, sales, etc." (Suarez, C :2016 ,p56).

Others have said that ERP is "an integrated information system that can be used to manage all resources, data and functions of a company from shared data stores" (Kallunki, J :2011 ,p21).

Fourth: the dimensions of resource planning systems

1-Chain Management: Chain Management is defined as "the formation and operation of efficient and effective production and logistics networks and management within and between organizations for supply, conversion and delivery operations "(Brandenburg, M. and Rebs, T, 20 :15p213)

2-**human resources** :there is an increasing interest to research thoroughly about the importance of human resources practice in supporting the ability of organizations to innovate, as the role of human resources in the strategic management of the institution has become more important, as these practices can provide tools for change, innovation and support strategic and influential decision-making in institutions and organizations. Zhou, Y, & others 2020: p. ((43-20

3-**resource and Process Engineering (BPR)** :the redesign of business processes involves a fundamental rethinking and radical redesign of business processes to achieve significant

improvements in important performance metrics (cost, quality, service, speed). Effective redesign of organizational processes can reduce cost, efforts and time, as well as speed of Service and improve quality, however, this requires a management team to conduct a business restructuring to generate the desired alternatives and results, taking into account the human resources and their potential impact internally and externally.) Bayomy, N et al, 2021: p.e505)

4-**Customer Relationship Management (CRM):**Customer Relationship Management needs to be handled by the organization's management from a strategic point of view rather than just a technical point of view, the requirements, capabilities and practices of customer relationship management should be reviewed and its impact on the behavior of individuals and their performance should be understood, while ensuring that new technological applications fit the organizational context And the strategies of the Foundation))Cristina Ledro et al, 2022: p. 56 .

5-**production:** production is the process of converting raw resources into goods with the benefit of satisfying the desires of consumers, where it was defined as "it is the set of processes and activities through which goods and services are produced, and this concept exists in industrial enterprises as it exists in service institutions, production, performance and output are the elements of productive effort "(Mason Abu Safiya 2017: p. 3 (2

Fifth: the concept of quality performance for Project Management

The outstanding performance of workers is the basis for achieving the highest levels of quality, increasing profits and competitiveness, performance refers to the approved organizational procedures and mechanisms and their effects on performance in light of them, in addition, this measure relates directly to the organizational structure and not to the expected results of a social and economic nature, and research theory has been applied to Theories for understanding how entrepreneurs benefit from and organize their projects.) Zonnenshain,2020, P614-626)

Sixth: the importance of quality performance for Project Management

The quality of performance has become one of the important and necessary elements in light of the intense global competition, and it has become necessary to focus on all aspects to withstand this competition, whether it is related to product quality, commodity price, cost reduction**,** good time management, providing safety in the product and in the work environment, increasing productivity, improving the level of operation performance and other important Achieving and reaching them has become easy by adopting and applying quality management methods,And the success of project financing depends on different environments and different signals, as these signals have a great role in knowing the quality of the project and performance, which deserves funding, and there must be experience in the establishment of the project, which leads to the success or failure of the project.) Skirnevskiy ,2017 ,P209-236)

Sixth: performance quality dimensions of Project Management

1-**planning:** planning is one of the important elements that help organizations to succeed and excel, as it is said about it "it is a set of organizational activities and processes such as setting visions, goals and objectives and allocating resources to develop high performance indicators and achieve excellence for the organization". Project planning involves the preparation and creation of a set of plans (financial resources, quality, risk, communications, acceptance, processing, and contracting with processors), all of which are working guides for the planning review stage .And from the point of viewKotlerdescribed planning as "a special administrative

process of establishing and maintaining the relationship between the organization's goals and aspirations and rearranging activities in the right way that achieves growth and profits in the future. the development of a plan is the basic step that is based on the project, where a set of tasks, activities and required resources are listed, and the plan requires a description of the main steps necessary to complete the project and a schedule of Task activities.) AbdElaal, 2021,P23-45)

2-**feasibility study:** the feasibility study is " analysis, calculation and evaluation of the economic feasibility of the implementation of the proposed project and the development of the project and the study of the economic and information system, but on the basis of a comparative assessment of costs, results and efficiency of use the period of recovery of investments as well as the feasibility study is necessary for each investor Business".)Hellen A. seshie, Abena D. oduro, 2016, P107-114)

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3**quality**: quality is defined as the ability to satisfy the customer's needs at the time of purchase and during use at the best cost, and works to reduce losses and increase competitiveness, he also pointed out that the quality of the project is represented by readiness and planning and thus positively affects the opportunity to invest and earn money from investorsSoublière, 2020, p472) (

4-**Implementation**: implementation is the completion of the thing and extracting it from the ideas, the proposed conception and planning to the physical and tangible reality is the completion of the tasks of the plans drawn up for the project and working out to achieve the project goal. this is done by the work team and the project implementation manager, which is a practical realization of the project plan directly through work personnel under the supervision of the project manager. It is defined as"a method of implementing or accomplishing certain tasks in the project, such as execution according to time or execution according to the completion rate, and the method of implementation is determined according to the specifics of each type
of process in the project". (Edmondson, 2019, P13)

The field side

The theoretical study of the role of resource planning systems (ERP(in improving the quality of performance of project management which the Projects Department was selected for both Baghdad governorate, Baghdad municipality, Karbala governorate, the planning and follow-up Directorate of Karbala governorate and the Planning Department of Karbala Police Command as a sample for the application of the field study

The first part includes the initial data on the individuals of the study sample according to the demographic variables of the study: (gender, age group, Career level, educational qualification, years of Service).

The second part includes the study paragraphs that were used to identify the role of resource planning systems, as it included three main axes (Human Resources, production, resource Chain Management, Customer Relationship Management, Resource Engineering and operations). It consists of(42)are answered according to the five-point lecart scale.

Strongly disagree	Disagree	Neutral	Agree	Strongly agree

For the third part: it includes the paragraphs of the study that were used to identify the level of performance quality of project management ,as it included the following axes (project planning, feasibility study, project implementation, quality) consisting of (37 (paragraphs to be answered according to the five-point licart scale referred to above.

The following table shows the distribution of the questionnaire paragraphs:

Table No. :(1distribution of questionnaire paragraphs)

Number of paragraphs	Dimensions	Axes of the study tool
11	Human resources	The first axis of the independent variable1
9	Production	The second axis of the independent variable2
8	Supply chain management	The third axis of the independent variable3
7	Customer Relationship Management	Fourth axis independent variable4
7	Resource and Process Engineering	Fifth axis independent variable5
10	Project planning	The Sixth Axis of the dependent variator6
9	Feasibility study	The seventh axis of the dependent variator7
10	Project implementation	The eighth axis of the dependent variator8
8	Quality	The ninth axis of the dependent variable9

Source: researcher preparation

Test the honesty and stability of the study tool(Reliability).

Table No. (2Reliability Statistics Alpha cronbach coefficient)

Honesty= square root of constancy	Cronbach's Alpha	N of Item
0.970	0.941	218

Source: prepared by the researcher

The cronbach alpha test was performed for each of the resolution axes and the result was also high and ranged between(0.852)and(0.746)this indicates the stability of each of the axes of the study and the high ability of the axes tool to measure what each axis was designed for

Statistical analysis of the study hypotheses

The first main hypothesis:

There is no statistically significant correlation between the application of the method of resource planning systems and improving the quality of project management performance.

The following sub-hypotheses branch from this main hypothesis:

1-no significant correlation between human resources and the quality of performance of Project Management .

2-no significant correlation between production and the quality of performance of Project Management .

3-no significant correlation between chain management and the quality of performance of Project Management .

4-no significant correlation between customer relationship management and the quality of performance of Project Management

5-no significant correlation between engineering and the quality of performance of Project Management **.**

Table (3)the coefficient of correlation between the quality of performance for the performance of projects with each dimension of (ERP.(

Std.deviation	mean	Sig. (1-tailed)	Pearson Correlation	Variants
0.51770	**3.6497**	**0.000**	**0.434****	**Human resources**
0.45105	**3.6677**	**0.000**	**0.499****	**Production**
0.46232	**3.6703**	**0.000**	**0.542****	**Supply chain management**
0.50590	**3.5465**	**0.000**	**0.379****	**Customer Relationship Management**
0.47866	**3.6186**	**0.000**	**0.426****	**Resource and Process Engineering**
0.38428	**3.6358**	**0.000**	**0.573****	**Resource planning systems (ERP)**

Source: preparation of the researcher based on the results of statistical analysis (SPSS(

From the above it can be deduced from the following sub-hypotheses:

1-there is a significant correlation between human resources and the quality of performance of Project Management .

2-there is a correlation between production and the quality of performance of Project Management .

3-there is a correlation between chain management and the quality of performance of Project Management .

4-there is a correlation between customer relationship management and the quality of performance of Project Management .

5-there is a correlation between resource engineering, processes and the quality of performance of Project Management

In conclusion, based on the statistical results, which appeared in Table No(39)the correlation coefficient between resource planning systems (ERP (is equal ,(0* *573.)and that the value of the statistical significance is,(000.)which is less than,(0.05)then it will reject the hypothesis of nothingness and accept the alternative hypothesis to the first main hypothesis (there is a significant between the application of the method of resource systems ((and improving the quality of project management performance.(

The second main hypothesis:

There is no significant impact relationship between the application of the method of resource planning systems and improving the quality of project management performance.

The following sub-hypotheses branch from this main hypothesis:

1-no impact between human resources and the quality of performance of Project Management .

2-no impact between production and quality performance of Project Management .

3-no impact between chain management and quality performance of Project Management .

4no impact relationship CRM and quality performance of Project Management

5-no impact between resource and process engineering and the quality

of performance of Project Management .

Table (4)test results (T ,(correlations (R (and (R Square (to identify the impact of the dimensions)ERP (and its dimensionsonquality of performance, not the project circuit.

R Square	R	Level of significance(sig(	T	Variants
0.188	0.434	0.000	7.071	Human resources
0.249	0.499	0.000	8.454	Production
0.293	0.542	0.000	9.468	Supply chain management
0.143	0.379	0.000	6.013	Customer Relationship Management
0.181	0.426	0.000	6.913	**Resource and Process Engineering**
0.329	0.573	0.000	10.285	**ERP**

Source: preparation of the researcher based on the results of statistical analysis (SPSS(

By the above we reject the null sub-hypotheses and accept the following alternative hypotheses:

-1there is a statistically significant impact relationship between human resources and the quality of performance for Project Management .

-2there is a statistically significant impact relationship between production and the quality of performance of Project Management

-3there is a impact between supply management and the quality of performance of Project Management.

4-there is a impact betweencustomer relationship management and the quality of performance for Project Management.

5-there is a impact betweenengineering of resources and processes and the quality of performance for Project Management .

In conclusion, based on the statistical results, which appeared in Table No(40)the coefficient of influence between resource planning systems (ERP)equal to (.5730), which indicates the

existence of an average direct relationship, the amount of impact of resource planning systems on the level of quality performance of Project Management()amounted ,(%32.9)and this is a good percentage, as a result, it turns out that resource planning systems (ERP (affect the level of quality performance of project management directly and rather well.

Returning to the hypothesis related to the impact of resource planning systems (ERP (on the level of quality performance of project management, we can find that the value of (T (has reached (10.285), which is much more than (2) and that the value of (sig (has reached (0.000) i.e. smaller than (0.05) and thus rejects the hypothesis of nothingness and accepts the alternative hypothesis That)there is a impact relationshipbetween the application of the method of resource planning systems (ERP (and improving the quality of project management performance.(

The second main hypothesis (demographic variables):

There is no statistically significant correlation between the studied sample and the improvement of the quality of performance of Project Management) gender, age, career level, educational qualification, years of Service).

Table (5) correlations between the quality of performance of Project Management and demographic variables.

R Square	R	Variants
0.006	**0.075**	**Gender**
0.000	**0.002**	**Age:**
0.009	**0.093**	**Career level**
0.001	**0.030**	**Academic qualification**
0.003	**0.057**	**Years of Service**

Source: preparation of the researcher based on the results of statistical analysis (SPSS(

From the above, the following demographic hypothesis can be deduced

There are significant differences between the studied sample and the quality of performance of project management according to different demographic variables (gender, age, career level, educational qualification, years of Service).

Multiple linear regressionpredict the future)Multiple Regression Analysis.(

The multiple linear regression test is related to predicting the future (unknown) based on data collected in the past (known), it analyzes one of the variables (dependent variable) influenced by another factor or more of the factor (independent variables), however, the regression analysis is influenced by some variables to a greater extent than other variables, so the weighting weight of variables should be taken into account when Prediction, rejects the null hypothesis (nihilism) and accepts the alternative hypothesis if)t(high or more than(2)significance level)sig(less than_.(0.05)

Table (5) the value of ((b1(and)b0.

F significance Statistics	Value F	Value R^2	Value R	Sig.	(T)	Standardized Coefficients	Unstandardized Coefficients		Model
						Beta	Std. Error	B	
0.000	24.514	0.366	0.605	0.000	13.430		0.154	2.062	(Constant)
				0.786	- 0.272	- 0.023	0.045	- 0.012	Human resources
				0.002	3.108	0.243	0.049	0.152	Production
				0.000	3.889	0.302	0.048	0.185	Supply chain management
				0.236	1.188	0.085	0.040	0.047	Customer Relationship Management
				0.043	2.032	0.139	0.040	0.082	Resource and Process Engineering

Source: preparation of the researcher based on the results of statistical analysis (SPSS)

Table showsthe impact of the independent variables represented by (Human Resources , production, supply chain management, Customer Relationship Management, Resource Engineering and operations) on the quality of performance of Project Management, where the value)F) ,(24.514) and in statistical .(0.000)Also, the value)R) ,which represents the total correlation model ,(0.605)and the value ,()which represents the strength of the impact of independent variables onquality of performance of Project Management .(0.366)

The data in Table(55)that the effect of each of the Independent Variables was different from the other ,the most prominent of which was for the supply chain management variable, where the value)t) (3.889) the statistical(0.000)value)BETA)which expresses the effect of the independent variable on the dependent variable(0.302)indicating The ratio of the impact of supply chain management on the dependent variable (quality of performance of project management), i.e., the more the independent variable increases by one unit, the more the dependent variable increases by beta. Then came the effect of the output variable, where the value)t),(3.108) and statistically ,(0.002)andthevalue)BETA) ,(0.152) This shows the ratio of a significant impact of production onquality performance of Project Management. Then came the impact of the variable of resource engineering and processes, where the value)t),(2.032) and statistically ,(0.043) andthevalue)BETA) ,(0.082) and this indicates the ratio of the impact of average production onquality of performance of Project Management, and this is consistent with the findings of the study and the proof of its hypotheses.

As for the human resources variable and the Customer Relationship Management variable, the ratio of their impact on the quality of performance for project management was not statistically significant at the indicative level .(0.05) Thus , there is a significant impact relationship between the application of the method of resource planning systems (الموارد p) and improving the quality of project management performance.

Conclusions of the study

-1through previous studies, it has been shown that there is an increase in interest from government institutions for projects and the introduction of new systems that are more effective in raising the level of performance of departments as a system (ERP ,(researchers

and writers specialized in project management have paid great attention to providing everything that contributes to enhancing the quality of performance of Project Management, which will be a major reason for the success of projects.

-2behavior of senior management is reflected on improving the level of performance quality in the course of the project planning and organizational processes and upgrading the level of executive performance of project managers.

-3there is a significant correlation between the application of the method of resource planning systems (ERP (and improving the quality of project management performance.

-4there is a significant impact relationship between the application of the method of resource planning systems (ERP (and improving the quality of project management performance.

-5there are significant differences and statistically significant impact between the study community and the quality of performance of project management due to demographic variables (gender, age, career level, academic qualification, years of Service).

Study recommendations

1-work on attracting specialized cadres by introducing new and effective systems in project management that help project managers make the right administrative decisions.

2-holding periodic meetings between the executive project managers to exchange experiences and focus on the positive points that help the success of the project and any factor or variable that may be the effective reason for the success of administrative decisions, and identify weaknesses that managers may be exposed to during the project process and that may hinder the progress of the project.

3-using statistical methods in government institutions that manage projects in order to analyze the causes of problems that affect the quality of their performance and prevent their occurrence in the future.

4-need to adopt the dimensions of resource planning systems (ERP(in the institutions concerned with the implementation of projects in all state institutions, as they lead to raising the level of quality performance of Project Management, which in turn leads to the success of projects to very high levels.

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