



جامعة الجميع الذكية  
EVERYONE'S SMART UNIVERSITY

## Everyone's Smart University

### Project(Spring 2021)

|              |                       |               |
|--------------|-----------------------|---------------|
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Section

Master

Date

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## Project Risk Management

### Instructions:

- آخر موعد للتسليم هو يوم السبت 2021-05-08 في تمام الساعة ٩ مساءً.
- الإجابة متاحة باللغة الإنجليزية أو اللغة العربية مع مراعاة أن تكون المصطلحات العلمية باللغة الانجليزية.
- يتم تسليم المشروع في صيغة ملف pdf مع الالتزام نموذج الجامعة ولن تقبل أي مستندات أخرى.
- يجب مراعاة أقسام البحث الرئيسية (مقدمة Introduction، دراسات علمية سابقة Literature Review، طريقة البحث Methodology، النتائج والمناقشة Results and Discussion، وأخيراً المراجع References. وان كان هناك ملحقات Appendices يتم إضافتها)
- يجب الالتزام بـ Theme موحد كما يلي:
- حجم الخط 12.
- نوع الخط Arial.
- لون الخط أسود.
- المسافة بين الأسطر line spacing 1.5
- عدد صفحات البحث (لا يقل عن ثلاث صفحات ولا يزيد عن ست صفحات).

Instructor's Name: Eng. Mosaab M. Hamed

## **Introduction:**

Projects are an activity related to a specific period of time, accompanied by an effort to produce a specific product or service. It is the backbone of the economy and cannot be dispensed with. Rather, it must be developed continuously and with skill.

Project management is the exploitation of the knowledge, planning, skills, tools, resources and techniques required to achieve the successful management of a project. And monitoring it and achieving integration among all its constituent elements in terms of coordination between setting goals on time while adhering to the specific costs of the project and taking into account the element of occasion and the interest of the project owners itself, in addition to understanding that managing the project itself is a necessary and fundamental thing for those in charge of managing it.

Each project should have a clear strategy that enables it to reach its actual goals, taking into account how to deal with competitiveness, how to direct and implement the project, as well as monitor performance in everything related to it in order to achieve its goals, and its success or re-evaluation again in light of the specified objectives. To him in advance and given the identification of consumer requirements.

Project management is considered one of the processes that are somewhat complex and not easy, and therefore it involves several applications, namely, defining the project's objectives, its management tactics, the time and material cost of managing it, managing the quality, risks, communications and human resources related to the project, and how to integrate all these elements to achieve the success goals of this project.

### ***This proposal prepared to***

Software does not have natural properties that are not subject to the laws of nature for its development. This is a limitation of the number of key indicators and the basic limitations of designing and implementing a software product. Software does not obsolete and its value does not diminish over time, such as hardware. The system is

not. Software is developed and engineered and is not produced in the traditional sense as it is in hardware. Most software is built according to need rather than assembled from existing components. Software is a logical component of the system and not a natural component. Software may deteriorate as a result of continuous changes in requirements.

### **Literature review:**

Many research studies have dealt with universities' experiences in activating modern communication technology in the university environment, including the study (Al-Muhaisin, 2000) that reached a diagnosis of the reality and obstacles to computer use in colleges of education in Saudi universities, namely: lack of computer services directed to a faculty member, absence of training provided to a member The teaching staff and the lack of a computer technician.

Kajima and Housafus (2000, Kagima & hausafus) indicate that the majority of faculty members use e-mail and the Internet to announce their courses, schedules showing course dates, office hours, required assignments, deadlines for delivery, and achievement scores.

The study (Al-Muhaisin, 2000) identified the advantages of e-learning and its contribution to the improvement of the educational process, and its role in raising the level of knowledge and skills of students, as it addresses many problems of traditional education, develops self-education and focuses on the learner and keeps pace with scientific changes and forms a homogeneous community of learners and achieves speed in The transfer of information and its modernity, but it requires the availability of a set of material and non-material requirements, including equipment, equipment, programs, specialists, appropriate infrastructure and training for all beneficiary groups, whether students supervisors, teachers and administrators, both in his field of specialization, but one of the challenges facing the use of communication technology is the lack of communication networks and the difficulty of obtaining programs The various components that meet the actual needs of the educational environment, in addition to the costs of technology acquisition and maintenance.

As for the study (El-Hamalawy, 2002), it dealt with distance education and the importance of its Arabization in order to benefit from it in a more general and comprehensive manner. It was also presented to the distance learning system in the Arabic language, which will contribute to not overcrowding classrooms, and among the mechanisms that will contribute to e-learning is the design of electronic courses. And the use of appropriate software that enables the spread of education in the Arabic language on the Internet, and the study (Al-Manea 2002) emphasized the importance of developing computer technology skills for the teaching and administrative staff in higher education institutions to improve their performance, and this includes mandatory training programs for all groups working in the university in the field of administration and design Undergraduate curricula and programs.

(Al-Atarji 2020) in his study on the Saudi virtual electronic high school on the Internet to the importance of defining the procedural steps to implement them and get rid of the need for a specialized supervising work team to formulate curricula and decisions and it was implemented by a specialized company that established electronic courses on the website ([http // www.watane.net](http://www.watane.net)), developing an electronic registration form and allocating small fees to reduce tampering, then designing electronic tests. Reserving a website for the Saudi high school on the Internet and linking it to the Ministry of Education and containing the following links: Bank for previous tests with answer forms, a link to questions Each course has a link for the activities accompanying each subject, a link to educational websites, the library, and another for communication.

The study of Januska (2004, Jankowska) found that the goal of faculty members is to use technologies to improve their performance in the educational process, but their use is limited to specific types and decreases in courses on the global web and interactive media programs due to their lack of knowledge of the methods of their use and lack of time to train on them.

Al-Mousawy and Abdul-Rahim (MusawAbdel-Raheem, 2004 Al), in their semi-experimental study that used the tools of the online course to evaluate its effectiveness in the academic achievement of Sultan Qaboos University students and their attitudes, also found the students 'attitude towards direct online education and provided statistical differences for the appreciation variable in favor of students with achievement. superior.

The study (Al-Jamlan 2004) concluded that the aim of using information technology in education is to support both the teacher and the curriculum, improve teaching and learning processes, and facilitate some administrative processes related to schedules and results, which requires preparing a clear strategy and designing an appropriate educational environment for the establishment of the education and information technology system. He also found (Al-Shehri 2005) that the low rate of a faculty member at King Saud University using information and communication technologies as a result of the faculty members not enrolling in specialized training courses because there was sufficient time to achieve this and the absence of rich and technical support when needed. Salama 2005 reached an experimental study. On the effect of using the Internet on academic achievement, the use of the Internet in presenting the educational material links the theoretical and practical side and reflects positively on the learner and raises the level of achievement.

### **Research Methodology:**

#### **- Purpose of Study**

When designing any application or software for projects, it highlights the weaknesses faced by some applications in the application stage, as well as individuals who own projects:

- 1 - Lack of proper planning or management of the project.
- 2 - Failure to observe the sequence of steps and cost calculation.
- 3- Failure to properly spot problems.
- 4- Taking a lot of time and effort in many operations.

#### **- Study Approach**

This research falls under the framework of scientific and applied research that is based on scientific facts to analyze the results in order to solve the research problem.

#### **- Data analysis**

Data to assess various factors related to performance, including leadership. The results were achieved using a statistical method. The data were also analyzed by means of frequency analysis to explain the results. In frequency analysis tables, frequency and percentage levels are used to define and infer results. For analysis purposes to answer the questions from the studies, exploratory factor analysis, correlation analysis and path analysis were used. The main component analysis was the extraction approach for the study. In the analysis of main components (PCA) the initial variables or elements are believed to be associated and the analysis of main components will provide a new set of uncorrelated variables. Finally, in SPSS 22, route mapping was used to see whether the success of the project and leadership were linked.

## **Results and Discussion**

The researcher's findings are represented in Aden "Important points: -

1. Manual work leads to the difficulty of interconnection and communication between the various departments for managing software projects.
2. The system facilitates a lot of operations for the person in charge of the project, whether he is the project manager or someone else.
3. Project management is the exploitation of knowledge, planning, skills, tools, resources and techniques required to achieve the successful management of a project.
4. Processing speed, ease of cost calculation, taking into account the principles of quality use and creating communication between the two parties.
5. Integration in data entry Reducing pressures on the project manager and reducing work hardships. A spatially classified database has been built that is easy to deal with in the development of many plans in the future.

The researcher recommends keeping pace with the technical and technical development with the following

- 1- Continuing the development of the project, which makes it supportive of the continuous software development process.

- 2- You must record and add data for projects first, and make backup copies, maintenance and preservation in safe places.
- 3- We recommend that the system be developed and include the pricing of the services provided and others.
- 4- There are some reports that he could not know except during the operation of the system, so it is possible to add other reports that are needed by the system.
- 5- Regular maintenance of the system and the operating system of the computer.

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