



جامعة الجميع الذكية
EVERYONE'S SMART UNIVERSITY

Everyone's Smart University

Project (Spring 2021)

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Section

Master

Date

Thursday

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Course Code

(PMG506)

Advanced project Management

Instructions:

- اخر موعد للتسليم هو يوم الخميس 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 1.5 line spacing
- عدد صفحات البحث (لا يقل عن ثلاث صفحات ولا يزيد عن ست صفحات).

Instructor's Name: ~~Eng. Amaal Aburumman~~ Eng. Dr. Akram M. S. Ali

Project:

You are required to document your role in administering a project. The project may be set in a business, social, sporting, or family environment but must be of a significant size and scale. If you do not have an actual project to write about you may complete the project hypothetically. **This report will be between three to six pages in length.** This is a significant research project.

Your report must address ~~each~~ **ONE** of the following issues:

1. Identify and describe the purpose, scope, and objectives of the project. **Display this information using an appropriate tool.**
2. Describe how the team is given an outline of the project.
3. Describe the strategies that are going to be set up to maintain communication with the team members.
4. Describe the tools that are going to be used to monitor the goals, time frames or milestones.
5. Identify project milestones and activities. **Display this information using an appropriate tool.**
6. Create a budget and link the costs to the key milestones for a project.
7. Describe how you are going to divide tasks and resources amongst a project team. **Display this information using an appropriate tool.**
8. Briefly describe how the progress will be monitored.
9. How are current project records maintained? Who has responsibility for this? provide some recommendations on how this process could be improved.
10. Describe the current procedure for finalizing projects. Create your own procedure and identify how you will evaluate the success of the project.
11. Legislation that may affect the project including health and safety, and anti-discrimination legislation.

Best of luck...

المشروع:

مطلوب منك توثيق دورك في إدارة مشروع. قد يتم تعيين المشروع في بيئة تجارية أو اجتماعية أو رياضية أو عائلية ولكن يجب أن يكون بحجم مناسب. إذا لم يكن لديك مشروع فعلي لتكتب عنه ، فيمكنك إكمال المشروع افتراضياً. سيتكون هذا التقرير من ثلاث إلى ست صفحات .

يجب أن يعالج تقريرك ~~كل~~ **احد** القضايا التالية:

1. تحديد ووصف الغرض والنطاق والأهداف من المشروع. اعرض هذه المعلومات باستخدام أداة مناسبة.
2. صف كيف يتم إعطاء الفريق مخططاً تفصيلياً للمشروع.
3. وصف الاستراتيجيات التي سيتم وضعها للحفاظ على التواصل مع أعضاء الفريق.
4. صف الأدوات التي سيتم استخدامها لرصد الأهداف أو الأطر الزمنية أو المعالم.
5. تحديد معالم المشروع والأنشطة. اعرض هذه المعلومات باستخدام أداة مناسبة.
6. إنشاء موازنة وربط التكاليف بالمعالم الرئيسية للمشروع.
7. صف كيف ستقوم بتقسيم المهام والموارد بين فريق المشروع. اعرض هذه المعلومات باستخدام أداة مناسبة.
8. صف بإيجاز كيف سيتم رصد التقدم.
9. كيف يتم الاحتفاظ بسجلات المشروع الحالية؟ من المسؤول عن هذا؟ تقديم بعض التوصيات حول كيفية تحسين هذه العملية.
10. وصف الإجراء الحالي لإنهاء المشاريع. قم بإنشاء الإجراء الخاص بك وحدد كيفية تقييم نجاح المشروع.
11. التشريعات التي قد تؤثر على المشروع بما في ذلك الصحة والسلامة ، وتشريعات مكافحة التمييز.

مع تمنياتي بالتوفيق..

Design and Implementation of an Online Course Management System

Introduction

The new generation's learners have been grown-up with virtual technology which offers them a variety of educational approach. They are able to access in different and immediate sources of desired information, multi-tasking and getting socially connected with friends and relatives via mobile phones or any other devices like laptop, tablet, PC etc. The blend of the modern generation's and the mobile technologies improved digitally. Communal and cognitive knowledge will require fresh explanations in the modern conception of education (Peterson, Hartmann, Fruchter, & Fischer, 2011). It is evident that PCs have considerably developed the range, complexity and sophistication of probable classroom movements. The implication of learning, particularly in developing nations, is fast growing as of succeeding force to pull alongside with the modern industrial world about, as an instance, international rivalry. Several of the parts of advancement in developing nations consist of: terms of homogeneous computer-based examinations, capable facilitators, sufficient educational surroundings, regular schoolbooks, virtual library and automated learner review along with the sporting services amongst others. A technology which is computer-focused, has further carried with it numerous fresh issues for the educator who aims for resolving what it need to recommend as well as how that have to be carried towards the pupils (Besner, & Hobbs, (2012). The integration of information technology in learning has carried lots of constructive transformations. In the present day, so many educational structures are adopting technology as it creates education style further successful and helps in practical education. Pupils also are adopting it as in the upcoming days a good number of the career opportunities will be technically based. With the time flow, everybody will notice the importance of information technology in learning ground. This job scrutinizes the utilization of technology in education and teaching field. It plans and executes an online process management structure which integrates immediate searching of algorithm, assessments and reviews as well as a trustworthy application portal for educators, students and parents as well (Thomas, & Mengel, 2008).

The amalgamation of mobile-based technologies as well as the young generation's 'virtually-developed' cognitive and communal abilities will require fresh explanations in the modern conception of education (Peterson, Hartmann, Fruchter, & Fischer, 2011).

Literature review

According to Harrison, & Lock, (2004), digital learning has loads of explanations but in brief it stands for an education system through electronic means. This comprises education not straight from notebooks, teacher notes or one to one from educator but via digitally means. General types are processor-supported teaching and web supported education or online learning. Through the introduction of highly developed technology, learning might be arranged from anywhere and anytime in a remote locality. It can be described as the utilization of internet along with virtual technologies for make knowledge regarding that teaches the fellow human beings. Patanakul, lewwongcharoen, & Milosevic, (2010), said that, these days Internet has develops into one of the fundamental methods to make accessible sources for study and education for educators and learners both to share and acquire data. Technology-supported online education includes the usage of the internet along with other vital technologies for producing materials for education, educate students and also standardize routes in an institution. There has been a widespread discussion on the subject of an ordinary description of the word online education or e-learning. Current descriptions as per tend to expose the specialism and awareness of the investigators. Online-based education or e-learning is a conception which covers a variety of applications, educational techniques along with procedures (Kerzner, (2003). As said by Harrison, & Lock, (2004), the word online education or e-learning is used in dissimilar viewpoints consisting of shared education, online-distance education along with the hybrid education. E-learning, in accordance with Rad, & Levin, (2002), is described as the usage of data as well as communication technologies in varied procedures of learning to continue and improve the education in organizations of advanced education. In addition to this, it incorporates the practice of communication and information technology as a balance to conventional classrooms, digital based education or combination the two styles. In accordance with Fox, & Spence, (1998), for that reason it is hard to locate a usually acknowledged description for the word of online-based

education, and in accordance with, there is even no widespread description for the word. In accordance with Rad, & Levin, (2002), the latest surroundings for education which is supported on electronic networks has permitted students in organizations to accept personalized support and to include education related plans as well which is further appropriate to them as and also special from other educations.

Thus, it can be finished from the above discussed chapter, that it is hard to recognize a widespread explanation for online education. A number of the authors talk about e-learning as offering total online based courses only where include web-complemented and web-based facilities for the terms of learning and support systems.

Methodology

As project manager for this project, the waterfall model is applied here to a successful outcome. The waterfall model is a linear in-order (non-iterative) plan proposal for software growth, in which advancement flows in a single downward direction (an exact copy of a waterfall) by the points of concepts, commencement, study, plan, building, examining, operation as well as a continuance. It will be utilized as it permits for departmentalization and executive rule.

Waterfall Model summary: The Waterfall Model was original Process Model to be launched. It is extremely easy to use and understand. Previous to start the next stage, there is no overlap in the stages. The in-order stages in Waterfall model are: 1) Requirement collecting and study 2) System plan 3) Functioning incorporation and examining 4) Use of organism and 5) Continuance.

Method of function: Teachers at Imo State Polytechnic Umuagwo, are presently performed in the conventional classroom. There is no facility for digital education, exterior part of the conventional classroom. Though, the teacher orders learners present physically in a usual classroom. Questions are considered and answers are collective. Education is one-sided in few situations as teachers may choose to only study handouts to learners and finish the class.

Anticipation of the system: This adopted latest system will perform accordingly –

- Confirm that learner assessment questions are not out of situation and completes the three areas of education.
- Control on students' courses successfully.
- Incorporate an aspect which will allow students to plan about reminders for their tasks or assessments.
- Build-up a characteristic which will be applied to ensure that every heights of education are covered in planned course.
- Make sure that students answer questions which are about their educational aptitude for assessments.

Program/System plan: During this framework, the description of the planning, modules, modules, borders and information for this fresh method will be formed.

- **Home Page-** It is the initial page which user notices when the web app is opened. Returning or enrolled users are able to log in to the program through the registered username and password. Fresh users can register if they have not been formerly enrolled.
- **Welcome Page-** It is presented on successful try while log-in. User program is formed for every user on successful verification. Now, users can analysis and see their courses for an existing semester. They can settle contents of courses and set reminders for assignments submission or future assessments.

Algorithms: This indicates to step-by-step reports of the solutions to difficulties. It demonstrates the welcome page which permits the user to enter by filling the username and password. The result symbol in it applies for whether the username presents or otherwise.

Input/output Design: The plan of this design is to form data entry trouble-free moreover logical flow-charts are error-free. So, machinist needs to know the following while entry.

- The space is must to every field.
- Field series is should match to that in the resource paper.
- The configuration in which the data are put.

The strength of the input resolves the precision of the outcome. The input offered should be as precise as probable. It must be checked for avoid prohibited data.

Results and discussion

After study thoroughly and efficiently, the result is, it advertises the reputation of the division and develops the excellence of provided facilities they provide regarding the influencing of experience to the learners. This is supported on the viewpoint that the task, after integrating, it will give out as a wonderful instance to the other divisions of the organization. Therefore, this research attempted in forming some web based educational systems which are online learning or e-learning, e-book and videos about different courses to be taught through the teacher which will be affordable both by the users. The project was carried as per the project procedure within the projected financial plan and time frame (Peterson, Hartmann, Fruchter, & Fischer, 2011). A good number of researchers have finished a survey. They have made a document on the subject of online education system have augmented the efficiency of the project, communication, joint effort as well as appliance of the interdisciplinary panel of researchers' proficiency. They would further suggest this kind of project for future projects.

Reference

Kerzner, H. (2003). *Advanced project management: Best practices on implementation*. John Wiley & Sons.

Thomas, J., & Mengel, T. (2008). Preparing project managers to deal with complexity—Advanced project management education. *International journal of project management*, 26(3), 304-315.

Harrison, F. L., & Lock, D. (2004). *Advanced project management: a structured approach*. Gower Publishing, Ltd..

Rad, P. F., & Levin, G. (2002). *The advanced project management office: A comprehensive look at function and implementation*. CRC press.

Peterson, F., Hartmann, T., Fruchter, R., & Fischer, M. (2011). Teaching construction project management with BIM support: Experience and lessons learned. *Automation in Construction*, 20(2), 115-125.

Besner, C., & Hobbs, B. (2012). An empirical identification of project management toolsets and a comparison among project types. *Project Management Journal*, 43(5), 24-46.

Patanakul, P., lewwongcharoen, B., & Milosevic, D. (2010). An empirical study on the use of project management tools and techniques across project life-cycle and their impact on project success. *Journal of General management*, 35(3), 41-66.

Fox, T. L., & Spence, J. W. (1998). Tools of the trade: A survey of project management tools. *Project Management Journal*, 29(3), 20-27.