



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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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 الإنجليزية.
- 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. ستكون 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..

Introduction

The impact of information technology on organizational performance has motivated the research about the impact of the same on business actions (Kumar, 2002). Likewise, it has also resulted in an estimation of the benefits of attending the necessities of the various functions and departments operating within the business domain through technological solutions (Zhang et al., 2005). The project which is under discussion in this report is a classic example of the same paradigm; the project which forms the underlying theme of this report is that of the enterprise resource planning system implementation by the Brazilian government (de Castro Silva and de Oliveira, 2015).

There are a number of organizations which define information technology as one of the most crucial components of their daily strategies and operations. It is very well known that any sort of failure in terms of the operations of the organization may as well cause a severe financial loss to the business (Shanks et al., 2000). In some cases, this problem may as well be irreversible. This calls for an increasing demand of an enterprise resource planning system which was rightly felt by the Brazilian government at that time because as per the contemporary research, information technology is one of the most instrumental elements of planning and policy making.

Project purpose

The purpose of this project was to set up and install an exemplary enterprise resource planning system. However, more than that, the Brazilian government was mainly concerned with setting an example for the rest of the world as to how an enterprise resource planning system may be included in the arsenal of the public sector so as to make the most of information technology in the public domain. The aim of this project was to improve the efficiency as well as the effectiveness of the public services through the installation of the ERP system.

After the audit conducted by the government in the year 2011, around 57 state-owned companies were extensively researched by the main control institution of public spending in the country, Tribunal De Contas da União (TCU). The purpose of this audit was to particularly assess the extent of significance which the federal public

administration had associated with the implementation of the ERP system. Out of all the companies, as many as 50% had implemented an ERP system where as around 33% were planning to implement the same in subsequent years. The most important aspect of this audit report was that the homogenization as well as the acquisition of the ERP system for the government of brazil was inevitable.

Project scope

The scope of the project included research on the best vendors and also the best practices of ERP system implementation and installation in the public sector. Apart from this, the installation itself and the maintenance of the system were also included in the scope of this project.

The government collected data through in-depth interviews in the year 2014. The methodology was deduced from PMBOK and as per these interviews, the characteristics of the ERP system to be installed were revealed. Secondary data was also collected using inter-departmental reports, and the data was organised and analysed sector wise. An unstructured, open-ended interview questionnaire was designed for this purpose based on the guidelines issued by PMBOK.

Apart from that, the analysis of secondary qualitative data was directed towards the identification of issues and bottlenecks in the administrative processes which had been on the radar of the government since long. Various documents pertaining to then contemporary information technology practices not only in the Brazilian government but also at the global level were investigated.

This kind of an analysis provided the necessary foundation for formulating a strategy - something which was also included in the scope of the deliverables for this project. With this analysis the government was enabled to predict the trend of operation of the public services and also was able to target a higher benchmark performance metric after having implemented the ERP system.

Next in line, the scope also included devising mechanisms to improve the processes that were required during the installation phases of the system. As per the contemporary research literature, the affirmation pertaining to the same is not very well

articulated but never the less, this arduous task was undertaken by the government and was included in the scope of this project.

Finally, the maintenance of the newly installed ERP system was also included in the scope. Several different policies and procedures were designed specifically for this purpose, and the cost estimation pertaining to the same word made before hand in order to arrange for the necessary financial and human resources to be allocated on this project. For this purpose, two major strategies were included in the scope, namely the optimization of the flow of activities directed towards a higher level of efficiency, and the reduction of cycle time of the overall processes involved in the installation and the maintenance phases of the ERP system.

Project objectives

Objective	Specific	Measurable	Achievable	Realistic	Time-Bound
To install an ERP system in the public services sector	Conducting research; data collection; data analysis; strategy formulation	Collecting data from 8-10 interview participants using an open-ended, unstructured interview questionnaire	YES	YES	3 years phasing out of the system
To help train the employees on the ERP system	Finalizing the training material; shortlisting the employees to be	Measured by the performance efficacy, efficiency and the productivity	YES	YES	1 year post-installation

	trained; delivering the training sessions; monitoring employee performance for improving the training regime	of the employees after the training delivery			
To maintain the ERP system for the best operational advantage	Identify operational bottlenecks; rectify errors and train the system	Measured by KPIs	YES	YES	On-going; continuous

Conclusion

This particular report has discussed the project of the ERP system installation by the Brazilian government in the public services in order to benefit from the information technology available at that time. The various perspectives on the underlying purpose of the government for having undertaken this kind of a project have been discussed in this report, along with an outline of the project scope and the project objectives.

References

- Zhang, Z., Lee, M.K., Huang, P., Zhang, L. and Huang, X., 2005. A framework of ERP systems implementation success in China: An empirical study. *International journal of production economics*, 98(1), pp.56-80.
- Kumar, U., 2002. ERP systems implementation: Best practices in Canadian government organizations. *Government Information Quarterly*, 19(2), pp.147-172.
- Shanks, G., Parr, A., Hu, B., Corbitt, B., Thanasankit, T. and Seddon, P., 2000. Differences in critical success factors in ERP systems implementation in Australia and China: a cultural analysis. *ECIS 2000 Proceedings*, p.53.
- de Castro Silva, S.L.F. and de Oliveira, S.B., 2015. Planning and scope definition to implement ERP: The case study of Federal Rural University of Rio de Janeiro (UFRRJ). *Procedia Computer Science*, 64, pp.196-203.