



جامعة الجميع الذكية
EVERYONE'S SMART UNIVERSITY

Everyone's Smart University

Project (Spring 2021)

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Students I.D	٢٠٢١٢٠٠١٣٧	الرقم الجامعي

Section	Course	Code	Date
Master	18 / 03 / 2021.	Thursday	(PMG506)

Advanced project Management

Instructions:

- اخر موعد للتسليم هو يوم الخميس ٢٠٢١-٠٥-٢٥ 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 ١٢.
- نوع الخط Arial.
- لون الخط أسود.
- المسافة بين الأسطر line spacing ١,٥
- 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:

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

مع تمنياتي بالتوفيق..

Jannah automated warehouse

Introduction

Warehousing, an integral part of modern day supply chain system, provides an infrastructure that enables businesses to extract, cleanse, and store vast amounts of data, which is used by knowledge based algorithm to run the automation. The basic purpose of a data warehouse is to empower the knowledge workers with information that allows them to make decisions based on a solid foundation of fact. However, only a fraction of the needed information exists on computers; the vast majority of a firm's intellectual assets exist as knowledge in the minds of its employees. E-commerce firms such as Amazon, Target, Best Buy, Walmart maintains huge infrastructure for warehousing. These warehouses are fully or semi-automation in order to make it cost effective, time bound order processing and improve quality of the services.

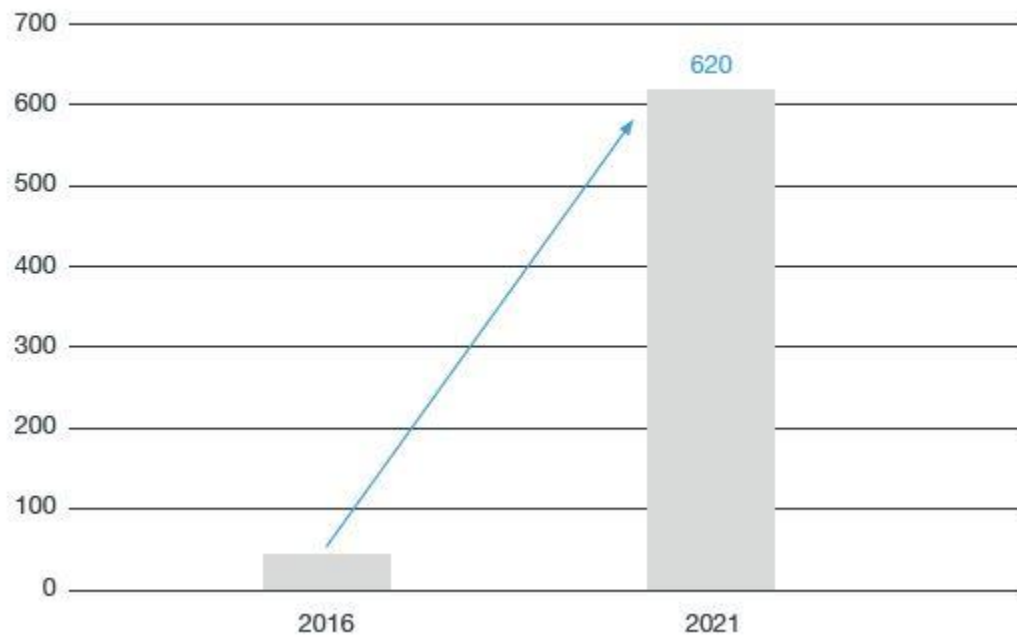
The Jannah automated warehouse will work with full automated system which the request is taken care by robots adhering to the constraints to avoid collision .

Literature Review

Imagine shuttles driving through racks, retrieving products and putting them on conveyor belts, while autonomous vehicles roam the warehouse with pallets of bulk products. Could this be the warehouse of the 22nd century? No, it's the modern warehouse of today.

As of 2016, more than 10% of warehouses in U.S. were using automated warehousing equipment that enables a goods-to-man picking approach .The trend will only accelerate over the next five years, with research predicting the number of robots in warehouses growing 15 times by the end of 2021 to 620,000 .

NUMBER OF WAREHOUSING ROBOTIC UNITS (IN THOUSANDS)

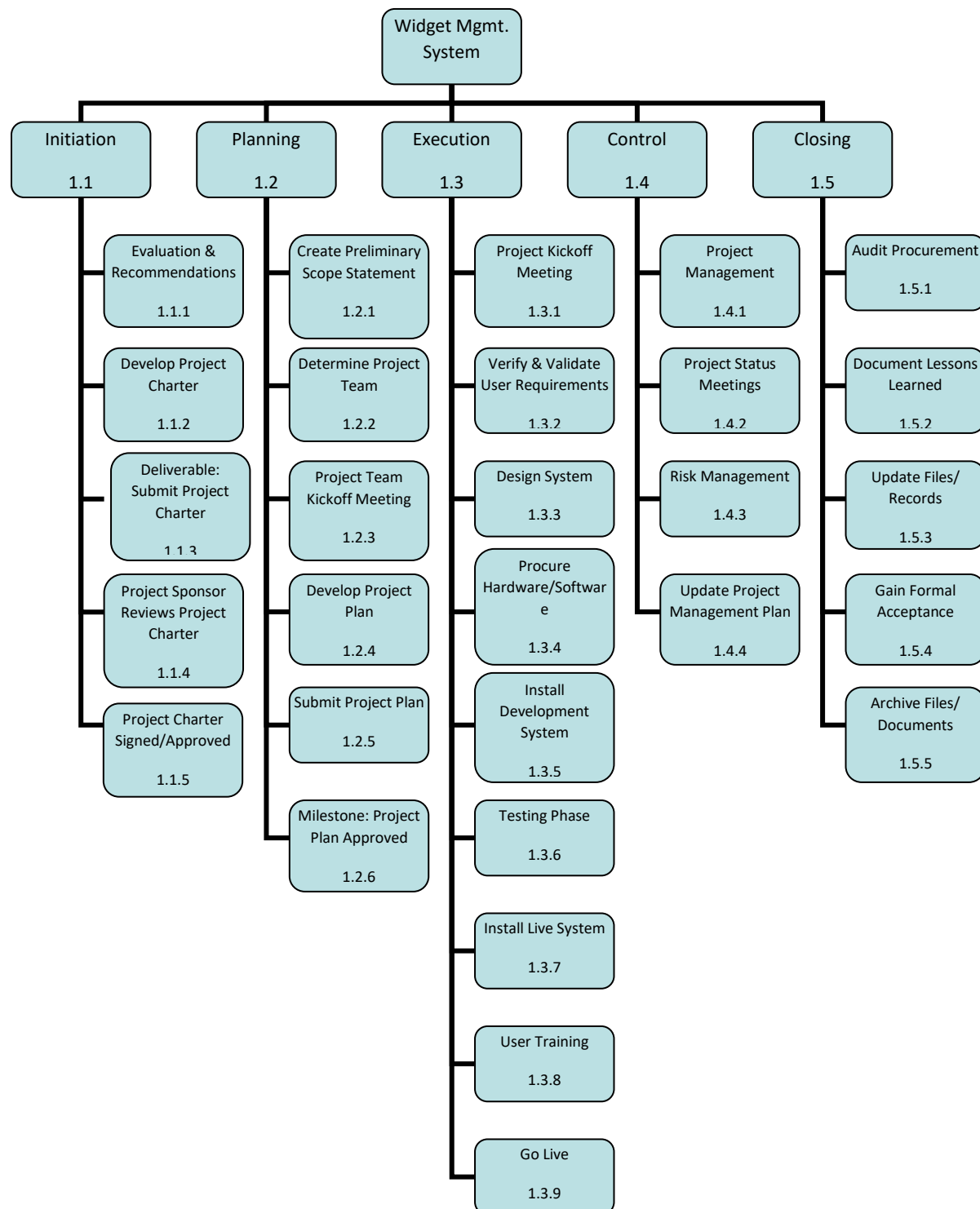


Methodology

SWOT Analysis

Internal	Strengths Capabilities Location and geography innovative aspects Resource, Assets, people Process, system, IT, communications, culture, attitudes, behaviors Management cover, succession, experience, knowledge Unique selling points	Weaknesses Financials Cash flow, high cost structures Management cover Gaps in capabilities
external	Opportunities Market developments New markets, partnerships, distribution geographical, new technologies	Threats New technologies , ideas, IT development New regulations Increase trade barrier

PROJECT SCOPE – WBS



Conclusion

It is the imperative of the need to accommodate growth that is found to be the main reason. There are various factors that may lead to an increased scale of operation, such as business acquisitions, inventory consolidation, product range proliferation and the increased safety stock associated with lengthy global supply chains. In such circumstances, the automation is a means of achieving the necessary throughput at high levels of speed and accuracy, whilst maintaining costs at an acceptable level. The accommodation of growth as an additional major reason for automation extends the understanding of this area from that set out by Dadzie & Johnston (1991).

In summary, it appears from industry figures that the adoption of warehouse automation is continuing to grow and, the main reasons are associated with growth, cost and service. There are however real concerns about disruption to the ongoing operation in the short term and the degree of future flexibility in the longer term

warehouse automation can be designed to provide responsiveness to rapidly changing market conditions, our target to lead the region in automated warehouse field .

References

- 1- Adams, N.D., Brown, T.W., Firth, R.V.D. and Misenheimer, L.P. (1996), Warehouse and Distribution Automation Handbook, McGraw-Hill, New York.
- 2-Baker, P. (2004a), "The adoption of innovative warehouse equipment", *Logistics*.
- 3-Research Network 2004 Conference Proceedings, pp. 25-35.
- 4-Christopher, M. and Towill, D.R. (2000), "Supply chain migration from lean and