



جامعة الجميع الذكية
EVERYONE'S SMART UNIVERSITY

Everyone's Smart University

Project (Spring 2021)

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Section

Master

Date

Thursday

18 / 03 / 2021.

Course Code

(PMG506)

Advanced project Management

Instructions:

- آخر موعد للتسليم هو يوم الخميس 2021-05-820 في تمام الساعة 9 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. سيكون هذا التقرير من ثلاث إلى ست صفحات .

يجب أن يعالج تقريرك كل من **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..

Prompt Payback for Tight Time Project

ABSTRACT

The accuracy of the structural plan schedule at the preconstruction stage should be assured because shopping mall projects are planned relatively tight in time for prompt payback of the investment cost. As a result, at the preconstruction stage, delay factors in the construction schedule should be thoroughly defined and addressed. The ov is delayed due to a delay in the structural work schedule.

1. INTRODUCTION

A shopping mall developer expects a quick payback from the construction project by finishing it as soon as possible. As a result, shopping center building projects are planned more quickly than other types of construction. Many functional facilities are also planned, reflecting the new trend of becoming bigger and more complicated. As a result, the contractor must prepare ahead of time for schedule management. Nonetheless, there have been several reports of the institutional structure not being completed on time. As a result, the remaining construction is pressed to finish sooner, and the project as a whole is often stalled. As a result, the projects' profits are limited. Via case studies of similar shopping complex projects in the past, this research aims to analyze the delay factors for the structural structure of the shopping complex in order to suggest a strategy to complete the construction project on time by preventing these delay factors. As a result, by recommending an enhanced management strategy and procedure, it is hoped that this study will be used as a guideline for similar projects in the future.

2. Literature review

Related case studies and previous study findings were reviewed prior to conducting the research. According to the literature review, there have been references on cost savings by construction time reduction, such as "Evaluation of Time-Affecting Factors in High-Rise Building Construction" 1260 (Hong, Young T., et al. 2004) and "Development of an Effective Time Scheduling Mechanism of the Struve Building" 1260 (Hong, Young T., et al. 2004) Structural Framework Mechanism for High-rise Apartment Buildings" (Han, Choong H., et al. 2004). Additionally, "The Estimation of Construction Period for High School Buildings Based on the Actual Data" (Kwon, Dong C., et al. 2004) was an analysis to compute the construction duration, which affects the quality and expense of the construction structure, based on actual data calculation. This research included the design of high school buildings, and it calculated the construction time by factoring in the environmental conditions in the construction area in the analysis of variables.

2.1 Case analyses

This study looked into the issues that domestic construction contractors face while working on large-scale shopping mall construction projects, in order to figure out what's causing the issues and come up with solutions. In certain cases, the developer schedules the design of these projects as soon as possible, with the structural structure taking up a large portion of the time proportion of the entire construction duration. Furthermore, when the structural framework's length is prolonged due to some cause, including inevitable circumstances, the remaining construction is often halted. As a result, quality and cost control become challenging, and both the developer and the contractor are unable to achieve a satisfactory result. For this analysis, actual data from ten domestic shopping mall projects was obtained and analyzed between 2002 and 2004. The types of data are those that can have an impact on the length of time it takes to complete a project.

Furthermore, factors for evaluating the conditions surrounding the construction site (construction road coefficient), productivity data (concrete, formwork, steel reinforcing bars productivity), assessment of the equipment effect (number of crane towers used during the structural framework, construction start-cycle on each floor), The approach looked at the construction start-cycle for each floor as well as other factors that had an effect on the overall construction. The results of the review were used to pick or reject the possible factors of delay that were proposed at the start of the report. Figure 1 shows the main factors of delay that passed the analysis of correlation test out of all the possible factors of delay proposed at the start of this report.

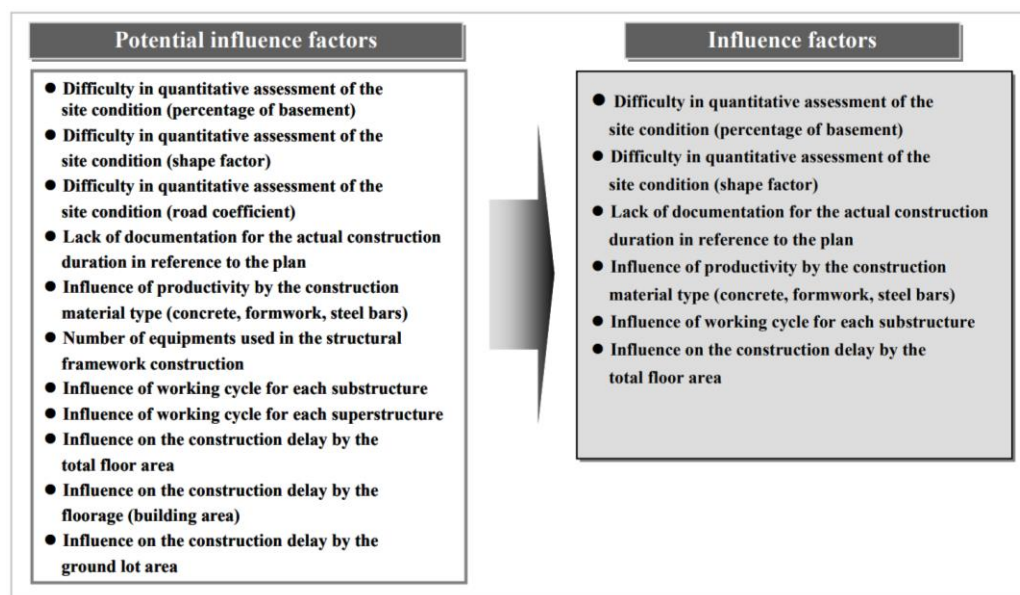


Figure.1

3. IMPROVEMENT ON THE SCHEDULE MANAGEMENT FOR A SHOPPING MALL PROJECTS

The multivariate regression equation can be used to calculate the delay rate, and this delay rate can help with the computation of construction length by major construction materials. In other words, the critical factors that can trigger a construction delay during the initial stages are defined in order to quantify the delay rate, allowing for the required material increase or reduction material usage can be computed in advance. Furthermore, the standard productivity can be calculated and used in conjunction with the standard progress map to pick better suppliers or cooperative partners, as well as to minimize any delays in the construction schedule caused by the suppliers. It works by regulating the construction process using the framework length, which is calculated using standard productivity appropriate for the project, so that manufacturers or cooperative partners may supply the required staff and supplies ahead of time, preventing a delay. The next step is to enhance the process of incorporating actual data into a shopping complex project's schedule management. The planned, real, and delayed data for the construction by construction material form are entered as input data by the year, month, and date. Then, at each point of the project, the progress input is continuously entered into the construction management plan. As a result, by entering the input data (weighted by the cost) of the quantity of major construction material types used for each structural component and space of the construction, a better progress plan can be formulated based on the quantity and cost used in the construction material form used for each structural component and space of the building, thereby enhancing the current progress map based on input from up-to-date account settlement reports (now, weighted by the cost of the major construction material type).

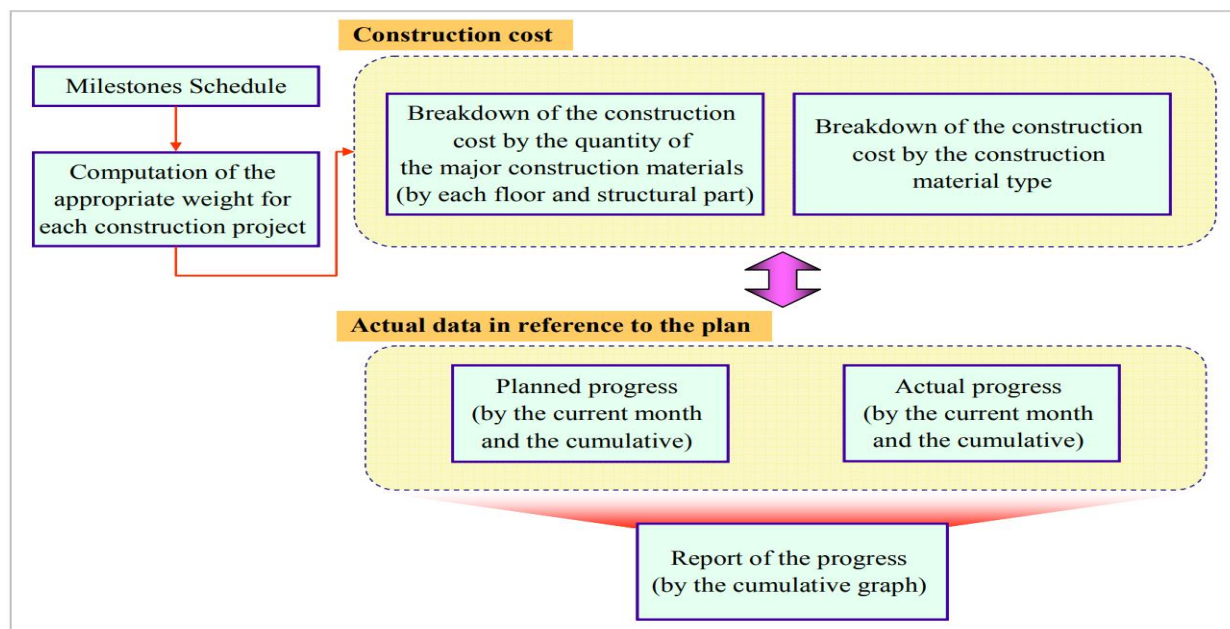


Figure.2

4. CONCLUSIONS

This paper aimed to assist in the quality and cost management of shopping mall projects by ensuring timely and cost-effective construction progress in view of the corresponding construction period by improved structure construction management for shopping mall projects. While similar studies on building projects other than shopping mall construction have been conducted, their nature and methodology vary from that of this paper. Based on the specific characteristics of shopping mall construction projects, this study focused on the process management of system construction as an important research subject. We plan to collect and evaluate more data in the future based on the actual data that were used for the derivation of the proposed computation equation for the delay rate as an option for improving the current schedule management. In our follow-up analysis, it is planned to complement the previous study's insufficient actual data and to strengthen the improvement option. We hope that this study will assist construction companies in successfully completing a short-term construction project.

5. REFERENCES

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