

Everyone's Smart University

Project(Spring 2021)

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Section	Date	Course Code
Master of Project Management	Monday 17 / 05 / 2021	(PMG506)

Advanced Project Management

Instructions:

- آخر موعد للتسليم هو يوم الخميس 2021-05-20 في تمام الساعة 9 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...

The Answer:

Advanced Project Management

Introduction

I administer role in a hypothetical construction project of a warehouse of a company. The project set in a business environment and of a significant size and scale, i.e. comprises of 50 people and invests \$800. However, legislation that may affects the project particularly health and safety legislation.

The Construction of Site Project and Surrounding Context

The warehouse will be located on the southern side of New Lake Entrance Road, Shellharbour, approximately 16.5 kilometers south of Wollongong's CBD. Furthermore, the site will be located on Lot 103 DP 879085. According to a site inspection, the new construction is primarily focused on a wide 7,599m² single tenant warehouse, which includes a 445m² interior mezzanine currently occupied by the project. The building's height has been determined to be 13.6 meters, and it was built with molded solid tilt-up panels and metallic roofing on steel edging system. Furthermore, the site's western lot has been built for car parking, with 290 spaces currently available.

Health and Safety Legislation

In relation to the project's construction, however, health risks are linked to asbestos, which can be found in homes built before 1990. Exposure to lead-based paints in older materials and copper chromium arsenic (CCA) treated wood has been shown to cause health problems. Every day, the project is discovered to be confronted with a range of environmental hazards. Chemical, physical, cultural, and biological hazards are the four types of hazards. In the case of the warehouse, it is discovered that the site is designated as "bushfire prone ground," which has an impact on the health of the workers and the surrounding area.

Since the planned construction is on "bushfire prone ground," project management is required by section 79BA of the EP&A Act to follow the provisions of the policy document preparing to overcome the Bushfire Protection (PBP), which represents the warehouse's site region. According to the on-site visit, the area of the site has been impacted by the bushfire. Rural Fire Service NSW has discovered that bushfire risk

affects a small region of the land (south and south-west corner). The impact on the property is due to the fire danger buffer as used to forested land south-west, which is 250m of the site area, as seen on the map.

Environmental Health and Occupation Safety in the Warehouse Project

Another environmental threat that the new warehouse system faces is operating amenity such as dust, noise, and vibration (Gazica & Spector, 2016). Measures to overcome operational hazards, both internal and external, were included in the warehouse's design. The site's location has been discovered to allow for normal operational acceptance of various levels of vibration and noise, but the building's shape, which consists of various external concrete panel walls, encloses many operational disruptions inside the structure.

The Warehouse project owners have successfully applied various methodologies and methods to address environmental hazards. These methods allow the company to address the risks posed by environmental legislation and the surrounding environment. The National Manager of Occupational Health and Safety along with the SDA National Secretary or their nominees, addressed workplace safety problems and their effects on employees. In addition, the project has arranged for an OHS representative and paid OHS training courses, as mandated by state law.

Physical and mechanical risks: According to Rehkopf et al. (2017), physical hazards are a significant cause of accidents in various organizations. Material handling would be the most significant risk in the factory, affecting employee productivity. Staff can be injured as a result of manual material handling. In certain industries, this form of risk might be inevitable. To mitigate the negative effects of a hazard, managers are expected to develop an effective control process.

Hazard 2: Supplier failure: According to Samantra, Datta, and Mahapatra (2017), supply risk is the likelihood that an inbound supply problem will disrupt business operations. In the case of the warehouse project, this primarily entails problems with shipments, vendors, and markets that wreak havoc on the company's operations,

development, and sales. The company's credibility, liability, and quality problems were all exacerbated by the supply danger.

Materials Handling Hazards: It has been discovered that pushing, lifting, and pulling heavy materials can cause health problems in employees. In the factory, it is discovered that storing materials in a specific position necessitates uncomfortable postures. Repetitive motions, such as repeated bending, are often part of the job. This consideration also has an effect on employee safety and health. Machines, hand/power tools, repetitive motions such as dragging, lifting, and pushing, as well as forceful exertion, have all been found to be work hazards. Furthermore, the company's slippery floor is another work hazard that jeopardizes employee safety. The warehouse is supposed to solve this threat in order to improve worker safety and job security.

Conclusion

The construction of the project created a wide variety of legal issues, associated with employees as well as the surrounding community. The implication of the best practices and compliance can only assist the warehouse project owners to deal with rising legal obligations and ensure a successful deployment of the warehouse. As a result, the project can be realistic, otherwise, the investment lacks behind success. Also, the project could become sustainable for the nearby community and for the entire industry as well. There is a need to review all those risks carefully and in detail, to ensure prosperity of the project in future. In this way, the project could define and pave new ways of expansion.

References

- Gazica, M. W., & Spector, P. E. (2016). A test of safety, violence prevention, and civility climate domain-specific relationships with relevant workplace hazards. *International journal of occupational and environmental health*, 22 (1), 45-51.
- Rehkopf et al., (2017). Social, psychological, and physical aspects of the work environment could contribute to hypertension prevalence. *Health Affairs*, 36 (2), 258-265.
- Samantra, C., Datta, S., & Mahapatra, S. S. (2017). Analysis of occupational health hazards and associated risks in fuzzy environment: a case research in an Indian underground coal mine. *International journal of injury control and safety promotion*, 24 (3), 25-29.