



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

(PMG510)

Project Risk Management

The Risks of Interior Design project

(Design a Bedroom)

1. Introduction

Risk is defined as an incident that has a chance of occurring. Should the risk occur, it may have a positive or negative effect on a project. A risk may have one or more causes, as well as one or more consequences if it occurs. Risk management is a continual mechanism that can be applied from the beginning to the end of every project. Risk management, on the other hand, can be applied at the early stage of a project, i.e. feasibility design and development, in order to realize its maximum potential. A project's success is determined by its ability to be delivered on schedule and under budget. These objectives are intertwined, with each parameter having an effect on the others.

2. Methodology

This study would use the WBS created in a previous Advance Project Management research to define all risks for each task, then analyze the effects and preparations that must be done to control the risk, its effect and cost.

List of risks:

1	The leveling of the floor is uneven.
2	Wrong colour of the wall paint.
3	Delayed delivery of the bedroom.
4	Incorrectly installed the curtain.
5	No electricity for lightning.
6	Break one of the decoration items.
7	Work injuries.

This table will Identify the probability and impact of risk:

Low = Zero - 30%

Medium = 31%-70%

High= 71%- 99%

Risk	Probability	Impact
Tiles Delay (Quarantine situation).	80%	90%
Wrong colour of the wall paint.	10%	75%
Delayed delivery of the bedroom.	20%	60%
Incorrectly installed the curtain.	15%	40%
No electricity for lightning.	10%	80%
Break one of the decoration items.	20%	30%
Work Injuries	12%	40%

The risk matrix and Bow-Tie are used to create a plan to minimize the consequences and evaluate the magnitude:

Probability	71% - 99%	Medium	High	High
	31% - 70%	Low	Medium	High
	0 - 30%	Low	Low	Medium
		0- 30%	31% - 70%	71% - 99%
		Impact		

List of Risks	Probability	Impact	severity	Plane	Mitigate Action
Tiles Delay (Quarantine situation).	10%	90%	High	Ensure that roaming permits are obtained.	Issue permits immediately.
Wrong colour of the wall paint.	10%	75%	Medium	Check Colour before Painting.	Re-paint the wall
Delayed delivery of the bedroom.	20%	60%	Low	Start buying purchases earlier.	Extending the project delivery period to the client for the actual period, to avoid delay.
Incorrectly installed the curtain.	15%	40%	Low	Monitor workers during installation.	Take accurate measurements.
No electricity for lightning.	10%	80%	Medium	Checking the availability of electricity before purchasing lighting.	Return the lightning which does not have electricity.
Break one of the decoration items.	20%	30%	Low	Well package and handle nicely	Buy another soon.
Work Injuries.	12%	40%	Low	Provide first aid in the workplace.	First aid the injured and replace the worker with another to complete the work

The EMV cost for the project

Risk	Probability	Impact Cost SR	Risk contingency
Tiles Delay (Quarantine situation).	10%	2000	200
Wrong colour of the wall paint.	10%	500	50
Delayed delivery of the bedroom.	20%	1000	200
Incorrectly installed the curtain.	15%	300	45
No electricity for lightning.	10%	700	70
Break one of the decoration items.	20%	250	50
Work Injuries.	12%	1000	120

3. Result and Discussion

As we can see the most risk effecting on the project is Tiles Delay. The tiles are the basis. If it is delayed, all other work will be delayed. In addition, tiles delay will cost 2000. We can focus to manage this risk by make sure that all the labors have been register in Tawakkalna Application and have a negative Covid-19 virus result. Also, communicate with the authorities responsible for issuing permits immediately.

4. References

- K. Srinivas. Process of Risk Management
https://www.researchgate.net/publication/331783796_Process_of_Risk_Management
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- Isidora Markovic. 08 November 2019. How to use the risk assessment matrix to organize your project better <https://tms-outsource.com/blog/posts/risk-assessment-matrix/>