



جامعة الجميع الذكية
EVERYONE'S SMART UNIVERSITY

Everyone's Smart University

Project (Spring 2021)

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Section

Master

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Project Risk Management

Instructions:

- اخر موعد للتسليم هو يوم السبت 08-05-2021 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)
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Instructor's Name: Eng. Mosaab M. Hamed

Risks Of future Leaders' Training Centre

1.Introduction

After many years of working on various projects most of the time in marketing areas, I was tasked with managing an operational project for a training center. This is a dream project for me because of my field of study and previous experience in training, particularly human resources training in the planning and development department. Today, we are managing a project for a training center that is meditative to lead it with our expertise and to achieve strategic objectives, all risks must be identified, analysis, and planned to deal with and monitor. It must increase the likelihood and impact of positive events and reduce the likelihood and impact of negative events that the project can face.

We must identify all risks. The relative importance of these risks must be determined. The reason must be known to consider some risks as more important than others. This is necessary so that administrative attention can be focused on the risks that pose the biggest threats to the project's objectives because neglecting to identify all risks and then focusing on the high-impact is reflected in the success or failure of the project. Neglecting these risks since the start of the project may appear, but its impact and cost are very high. If it appears in the advanced stages of the project, then it is necessary to work out a classification of the most important risks affecting them to develop appropriate response plans.

2.0 LITERATURE REVIEW

2.1 Risks of Defining a Fram E work 5 Project

Projects are known to be difficult to manage and many of them fail. Annual US spending on software training projects amounted to about \$ 250 billion and included an estimated 175,000 projects. Costs were calculated and risks were taken into account. Reports indicate that the failure of software training projects is due to nearly \$ 59 billion in cost overruns, and the reason for the high failure rate is that Managers do not take prudent measures to assess and manage risks.

The results of a study showed that the Delphi user approach used by experienced software training project managers to identify and classify the most significant risks. The study not only identified risks but ranked them in order of importance, and also led to new insights into why project managers view some risks as more important than others. As a result of the study, the risks of the software training project were classified on a scale of (1-5) with 5 being the highest risk [1].

2.2 Extending the Risk Process to Manage Opportunities

The study concludes that many modest capabilities in the risk management process can ensure that opportunities and threats are dealt with together, some new risk identification techniques have been

proposed that clearly look for increased uncertainties, and a dual likelihood and impact matrix has been proposed as a powerful way to demonstrate the relative importance of both threats and opportunities. New response strategies for opportunities that are often used to threats have been identified and the study concluded that one is an extended process. To manage risk can effectively deal with both opportunities and threats, managing opportunities can become an integral part of managing risks, giving them

an equal position with threats, and striving to manage them proactively to realize the benefits of the project and the organization] 2].

3.0 Methodology

We'll be using 8Rs and 4Ts, to help us understand the potential for risks and their effects.

Brainstorming is the first step to identifying all potential risks. We will make a list of them

Table 1

NO	List of Risks
1	The location of the center is poor
2	Coaches weak
3	The small number of enrolled in the course
4	Risks of paying in installments for fees
5	There are no vacant seats for training
6	Weakness using training aids
7	Mismatch of time with the content and purpose of the training
8	Business owners are not convinced of the importance of training and the return after training
9	A fire occurs in the building
10	The training center resigned
11	The buffet is not operated by an external operator
12	Natural disasters, wars
13	Close due to emerging diseases such as (Covid 19)
14	Blackouts

Now that we have a list of risks, we will create a risk matrix (determining the likelihood and impact of each risk), which will follow this to record the risks.

description	Probability	the scale	level
Often it happens	More than 80%	5	very high
High probability	63%__ 80%	4	high
medium probability	36%__ 62%	3	medium
low probability	10%__ 35%	2	low
very low probability	Less than 10%	1	very low

Table 2

No	List of Risks	Probability	impact
1	The location of the center is poor	2	4
2	Coaches weak	1	5
3	The small number of enrolled in the course	3	5
4	Risks of paying in installments for fees	2	3
5	There are no vacant seats for training	4	5
6	Weakness using training aids	1	4
7	Mismatch of time with the content and purpose of the training	2	4
8	Business owners are not convinced of the importance of training and the return after training	2	3
9	A fire occurs in the building	4	5
10	An additional annex to the building could be a nursery for children.	5	5
11	The buffet is not operated by an external operator	3	4
12	Natural disasters, wars	2	5
13	Close due to emerging diseases such as (Covid 19)	5	5
14	Blackouts	3	3

After collecting and evaluating the risks, it time to evaluate the severity to start thinking about the response plans for each risk and try to mitigate the impact. For calculating the severity, we used Risks Matrix and Bow-Tie to find the response plan

4.0 Results and discussion

Probability	5 L	10 M	15 H	20	25
	4 L	8 M	12 H	16 VH	20 VH
	3 VL	6 L	9 M	12H	15 H
	2 VL	4 L	6 L	8 M	10 M
	1 VL	2 VL	3 VL	4 L	5 L
impact					

قيمة شدة الخطر = الاحتمالية * التأثير

After the previous results, we can now identify appropriate ways to address the risks to which the project may be exposed, whether threats or opportunities.

- Some of the tools and techniques used to counter the risks will be addressed

Table 3

No	List of Risks	Probability	impact		Strategies for Threats and Opportunities
1	The location of the center is poor	2	4	medium	Mitigation: Choose highly knowledgeable trainers To attract trainees and reduce imp occurs
2	Coaches weak	1	5	Low	Avoid hiring those who are Underperforming
3	The small number of enrolled in the course	3	5	High	Mitigation: Hire celebrities to make ads for training courses
4	Risks of paying in installments for fees	2	3	Low	Transfer :Insurance for training progra provided
5	There are no vacant seats for training	4	5	Very high	Mitigation: Hire additional seats
6	Weakness using training aids	1	1	Low	_____

7	Mismatch of time with the content and purpose of the training	2	4	medium	Avoid inaccuracies in scheduling and so Periodic review
8	Business owners are not convinced of the importance of training and the return after training	2	3	Low	ting the risk because the results of the training will make a difference
9	A fire occurs in the building	4	5	Very High	Mitigation, building and equipment insurance
10	An additional annex to the building could be a nursery for children.	5	5	25 v.v Very High	Exploitation Risk And raise the likelihood of it happening.
11	The buffet is not operated by an external operator	3	4	High	Transfer To another company
12	Natural disasters, wars	2	5	medium	—
13	Close due to emerging diseases such as (Covid 19)	5	5	25 v.v Very High	Mitigate: Online Training
14	Blackouts	3	3	medium	Alternative generator run (mitigate)

5.0Results

Here we are going to calculate the EMV cost for our trip. All the numbers you are going to see are not exact cost but it was evaluated based on experience. The total potential impact on the plan is 19307 SR, while the contingency cost is **6245** SR.

Table 4

No	List of Risks	Probability	Impact cost	Risk contingency
1	The location of the center is poor	2	350	490
2	Coaches weak	1	210	100
3	The small number of enrolled in the course	3	600	250
4	Risks of paying in installments for fees	2	100	30
5	There are no vacant seats for training	4	2500	370
6	Weakness using training aids	1	90	50
7	Mismatch of time with the content and purpose of the training	2	375	150
8	Business owners are not convinced of the importance of training and the return after training	2	310	70
9	A fire occurs in the building	4	700	240
10	An additional annex to the building could be a nursery for children.	5	5600	1570
11	The buffet is not operated by an external operator	3	550	325
12	Natural disasters, wars	2	412	180
13	Close due to emerging diseases such as (Covid 19)	5	6850	2350
14	Blackouts	3	660	70
	TOTAL		19307	6245

6.0 Discussion

The result (Table 3) showed the response methods. We need to know all the risks and make sure we don't waste time on risk with a low probability and impact, it's best to focus on orange and red risks because they're too likely to happen and have a huge impact. The risk of closing the training center as well as the opportunity to use the rooms attached to the building to convert it into a nursery for children.

7.0 References

1. Mark Keil, Paul E. Cule, Kalle Lyytinen, and Roy C. Schmidt- 76 November 1998/Vol. 41, No. 11

COMMUNICATIONS OF THE ACM

2. Dr David Hillson PMP FAPM MIRM __ Director of Consultancy, Project Management Professional Learning Limited 7 Amersham Hill, High Wycombe, Bucks HP13 6NS, UK

3. fundamentals of risk management