



جامعة الجميع الذكية
EVERYONE'S SMART UNIVERSITY

Everyone's Smart University

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Section

Master

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Project Risk Management

Instructions:

- اخر موعد للتسليم هو يوم السبت 2021-05-08 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 12.
- نوع الخط Arial.
- لون الخط أسود.
- المسافة بين الأسطر line spacing 1.5
- عدد صفحات البحث (لا يقل عن ثلاث صفحات ولا يزيد عن ست صفحات).

Instructor's Name: Eng. Mosaab M. Hamed

RISKS OF COMMUNICATION MANAGEMENT IN PROJECT TEAMS

1. INTRODUCTION

Risk is the chance or probability that a person will be harmed or experience an adverse health effect if exposed to a hazard. It may also apply to situations with property or equipment loss, or harmful effects on the environment. However, Communication influences most project activities and areas because managing any aspect of the project involves communicating within the project team or with external stakeholders. As project leader the purpose of the project is to complete the project successfully (on time frame, within the scope, budget , satisfy by client and requirements of the project).I have been assigned as Project Engineer to carry out on boarding of project management support for General Engineering Service Program. The program have two major portfolios. I have been closely engaged with Project Manager and taking activity that are being executed and taking up directions as advised by Project Management and controls team. Currently, the project is at execution phase since we are providing details design engineering as per early estimated from planning phase. To intensification the percentage of the project success need to aligned with Effective communication risk management on a range of special strategies and methods that are followed during the process of communicating with other parties to ensure that the desired goals of the communication process are achieved. This research aims to describe the risk strategies that are going to be set up to maintain communication with the team members and factors that contribute to successful project delivery effectiveness within engineering company environment.

2. LITERATURE REVIEW

A recent review of the literature (Covello,von Winterfeldt, and Slovic 1986) on efforts to communicate information about health and environment risk communication problems arise from [1]:

- (1) Message Problem- e.g., limitations of scientific risk assessments;
- (2) Source Problem- e.g., limitations of risk communication and risk assessment experts;

(3) Channel Problems- e.g., limitations in the means or media by which scientific information about health or environmental risks is transmitted.

(4) Receiver Problems- e.g., characteristics of intended recipients of the communication (Table 1).

Table 1. Problems in Risk Communication

Origin Of The Problem	Example	Nature of the Problem
Message Problems	Government or industry data on health risks	High level of scientific complexity Large data uncertainties
Source Problems	Government or industry officials	Lack of institutional trust and credibility Expert disagreements Use of technical, bureaucratic language
Channel Problems	Media	Selective and biased reporting Focus on sensational or dramatic aspects Premature disclosure of scientific information Inaccuracies and distortions
Receiver Problems	Individual citizens	Inaccurate perceptions of risk Lack of interest Overconfidence in ability to avoid harm Unrealistic demands for scientific certainty Reluctance to make tradeoffs

3. METHODOLOGY

This research follows the descriptive approach. We concern study Risks of Communication Management In Project Teams through collecting data from previous studies and literature. We will give further application risk management applied on a project in the discussion. Result and Discussion:

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

Table 2

No.	List of Risks
1	Not Identifying Stakeholder
2	Bad communication planning
3	Not publishing accurate information
4	Inability to manage stockholder
5	Inadequate formulation of performance reports

Now we have a list of risks, we will make a risks matrix (determine the probability and impact of each risk), which will go after that to risk register. (low = 0 to 0.29, medium = 0.3 to 0.69, high = 0.7 to 1) Table 3

No.	List of Risks	Probability	Impact
1	Not Identifying Stakeholder	0.1	0.9
2	Bad communication planning	0.4	0.8
3	Not publishing accurate information	0.3	0.6
4	Inability to manage stockholder	0.1	0.2
5	Inadequate formulation of performance reports	0.3	0.5

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. Figure1

Probability	0.7-1	high	high	medium
	0.3-0.69	high	medium	low
	0-0.29	medium	low	low
		0.7-1	0.3-0.69	0-0.29
		Impact		

Table 4

No.	List of Risks	Probability	Impact	Severity	Response plan	Mitigate Action
1	Not Identifying Stakeholder	0.1	0.9	Medium	Align immediately with sponsor to identify the right of the stakeholder.	Arrange meeting with sponsor and required stakeholder.
2	Bad communication planning	0.4	0.8	High	You should plan it before initiating project.	Review communication plan and revalidated as required.
3	Not publishing accurate information	0.3	0.6	Medium	Review it twice before distributed.	Contact to the Stakeholder and team to submit the revise one.
4	Inability to manage Stakeholder	0.1	0.2	Low	Meeting to be arranged with them.	Send email to them.
5	Inadequate formulation of performance reports	0.3	0.5	Medium	Review the report twice before issued.	Contact to the Stakeholder and team to submit the revise one.

4. RESULTS AND DISCUSSION

To calculate the EMV cost for that case. 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 **9750** \$, while the contingency cost is **2175** \$.

Table 5

No.	List of Risks	Probability	Impact Cost \$	Risk contingency
1	Not Identifying Stakeholder	0.1	5000	500
2	Bad communication planning	0.4	1500	600
3	Not publishing accurate information	0.3	2000	600
4	Inability to manage Stakeholder	0.1	1000	100
5	Inadequate formulation of performance reports	0.3	1250	375
	Total		9750	2175

In (Table 4) It's shown that the result of reposing plan and how to mitigate the risk. It is important to note that we should be conscious of all risks but shouldn't excess the time on risks with green color, it is better to attention on orange and red risks because they have higher probability and huge impact. However, In (Table 5) we can see the result of the risks cost on the budget. The higher number wasn't following the appropriate planning communication management, so it has the higher significance. There are some risks that we have to prepare appropriate plan to captured and avoid any miscommunication such as: early meeting alignment with owner and sponsor to identify the right stakeholder and knowing their requirements and prepare meeting with key team to issue proper communication management planning as required.

5. REVERENCES

1. Risk Assessment Program, By Detlof von and Paul Slovic , Published by University of Southern California, 1986.
2. Fundamentals of Risk Management, 5th edition, understanding, evaluation and implementing effective risk management, Paul Hopkin.