



جامعة الجميع الذكية  
EVERYONE'S SMART UNIVERSITY

## Everyone's Smart University

### Project (Spring 2021)

|              |                           |               |
|--------------|---------------------------|---------------|
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Section

Master

Date

Thursday

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Course Code

(PMG510)

## 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)
- يجب الالتزام بـ Theme موحد كما يلي:
- حجم الخط ١٢.
- 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. Mosaab M. Hamed

## **Project:**

### **Risk Identification and Analysis (Based on the project you chose in APM)**

The objective of this report is to identify project risks, prepare a risk probability matrix, and carry out an analysis of selected risks. Referring to the project you select in **Advanced projects management APM course**, your task is to prepare a risk management plan that identifies potential risks in **the selected stage of the project** and identify risk management strategies.

From the course content and readings, you know that the overall purpose of risk planning is to anticipate possible risk events and be ready to take appropriate action when risk events occur—to eliminate or reduce negative impacts on the project.

You may wish to begin this exercise with a brainstorming about potential risks to get candidate risks “on the table” for consideration. And then identify and refine that wording for risks that have some realistic chance of occurring in this stage. For example, potential weather problems present a real obstacle to completing field data collection by the planned completion date. It is also an issue that the project manager will ultimately have to plan for, as opposed to other issues such as a major disaster (e.g., your office burning down), is not a high-enough probability event that requires much time in planning. As described below, you will select several of the identified risks and carry out a risk analysis.

You will use the distilled list of risks to make a risk probability/impact matrix. The matrix will have at least three categories (high/medium/low) for probability and impact.

Remember that it is important to name risks effectively—use words that describe the risk event and point to the impact on the project (e.g., “injury of field technician disrupts data installation work”).

After completion of the risk matrix, document a risk analysis for the selected risks. This detailed documentation for that selected risk will include:

- a description of the risk and potential impacts (schedule, quality of work, cost, etc.) on the project.
- indicators or triggers that would be monitored to help identify the risk as early as possible.
- specific risk response strategies to take.

Using probability and impact matrix calculate the **Expected Monetary Value (EMV)** for all risks that have the impact in terms of cost \$\$.

**Best of luck...**

## المشروع:

التعرف على المخاطر وتحليلها (بحث مبني على مشروعك الذي اخترته في مادة ادارة المشاريع المتقدمة)

الغرض من هذا التقرير هو التعرف على المخاطر المحيطة بالمرحلة التي تختارها المرحلة من مراحل مشروعك (نفس المرحلة التي اخترت التطرق لها في مشروعك لمادة إدارة المشاريع المتقدمة Advanced project management) حيث أن مهمتك هي تحضير خطة متكاملة لإدارة المخاطر تشمل التعريف بالمخاطر المحتملة التي تحيط بتلك المرحلة وتحضير مصفوفة احتمالية المخاطر ومن ثم القيام بالتحليل لهذه المخاطر المختارة وتحديد استراتيجيات ادارة المخاطر المناسبة لكل خطر على حدة.

من محتويات المقرر والمصادر الأخرى المتاحة أصبحت تعلم الان أن الغرض العام لمرحلة التخطيط للمخاطر هي توقع أحداث المخاطر المحتملة والتجهز لاتخاذ ردة الفعل المناسبة عند وقوع الخطر – لمنع أو تقليل الاثار السلبية على المشروع.

قد تحبذ بداية هذا البحث بعصف ذهني عن ماهية المخاطر التي قد تحيط بتلك المرحلة من مراحل مشروعك, وذلك للحصول على قائمة بتلك المخاطر. ومن ثم تحديد وتصفية هذه القائمة للوصول إلى قائمة مختصرة بالمخاطر التي لها فرصة واقعية أكبر في الحدوث. على سبيل المثال: المشاكل الجوية المتوقعة والتي تمثل عقبة حقيقية أمام اكتمال جمع البيانات من المواقع في أو قبل الوقت المحدد، هذه تعتبر مشكلة على مدير المشاريع أن يضعها في الحسبان. من ناحية أخرى، فإن المخاطر غير الواقعية مثل الكوارث الطبيعية والأعاصير (تلك التي تسبب حريقاً بمكتبك وفقدان الأوراق المهمة) ليست لها احتمالية وقوع عالية وبالتالي لاتستدعي تضيق الكثير من الوقت في التخطيط لها. كما سيتبين لك، ستقوم باختيار عدة مخاطر من تلك التي قمت بالتعرف عليها لتحليلها.

ستقوم باستخدام هذه القائمة المختصرة لعمل مصفوفة المخاطر (الاحتمالية/الأثر). المصفوفة ستحتوي على الأقل على ثلاث تصنيفات (عالي/متوسط/منخفض) للإحتمالية والأثر.

لاتنس استخدام أسماء تصف طبيعة المخاطر بصورة فعالة – قم باستخدام كلمات تصف الحادثة الخطرة وتشير الى أثرها على المشروع (مثل: إصابة أحد الفنيين في الموقع مما يؤثر على أعمال التركيب).

بعد انتهاءك من مصفوفة المخاطر، قم بتوثيق تحليلك للمخاطر المختارة. هذا التسجيل المفصل للمخاطر يجب أن يتضمن:

- وصف للخطر واثاره المحتملة (الجدولة، جودة العمل، التكلفة، الخ)
- المؤشرات والمحفزات التي يجب مراقبتها للمساعدة في التعرف على هذا الخطر قبل وقوعه
- تفصيل للاستجابة المقترحة للتصدي لهذا الخطر

باستخدام مصفوفة الاحتمالات والتأثير ، احسب **القيمة النقدية المتوقعة (EMV)** لجميع المخاطر التي لها تأثير من حيث التكلفة \$\$.

مع تمنياتي بالتوفيق..

## **RISK IDENTIFICATION AND ANALYSIS**

### **Introduction**

This is a project of social working organization which has been started with three main objectives. Its first objective is to work for the new graduates who are not able to find jobs and the rate of unemployment which is increasing in the world. The second objective is to raise funds and help the needy people of the society. The final objective of this organization is to help those students who are not able to afford their tuition fee because of not being financially stable. The organization is started to increase the job opportunities and provide some networking area for the new students who don't have the jobs. But the working and startup of organization is not an easy step, there are a number of risk which they have to face while effectively working hard to manage their work practices. There are different kinds of risk which are able to disrupt the quality of work of organization and can change its schedule of working, but overall this can be managed with the effective planning done by organization. So the major thing which should be utilized is to work on the risk assessment and management in such a way that the working of this organization will be successful. (Taylor & Brian, 2017)

### **Literature Review**

#### **Risk identification and Management**

##### **Negative attitudes of local residents towards project decreases efficiency**

A major risk which can effect effective implementation of project for the local people is the negative attitude of people towards the services offered by the social working organization. The people may not be able to pay the funds for the working of organization and as a result the organization is not able to provide the enough amounts of funds to the people. This negative attitude decreases the overall quality of work that is expected out of

| Risk: Negative attitudes of local residents towards project decreases efficiency |        |        |      |
|----------------------------------------------------------------------------------|--------|--------|------|
| Probability                                                                      | Impact |        |      |
|                                                                                  | Low    | Medium | High |
| Low                                                                              |        |        |      |
| Medium                                                                           |        |        |      |
| High                                                                             |        |        |      |

the implementation of this project. This project success is highly dependent on the attitudes of people in its surroundings, if the people are not working well for the betterment of organization,

then it is not possible to have optimal working of the company. Moreover this is a major risk which can impact the quality of work of the company. The major indicator of this risk can be analyzed when the fund raising is started by the organization but no one in the community is actively taking part in the effectiveness of organization. It is important to identify this type of risk as early as possible because it is affecting overall efficiency of the working. This specific kind of risk can be mitigated by starting some marketing and awareness campaigns in the local resident areas and inform them about the objectives and goals of organization. This strategy will increase the funds of organization because people get aware of it and its objectives. (Miao & Huang, 2019)

### **Stress related illness of worker affect compliance with work**

The social worker is a stressful worker because when one person is working with people of different social backgrounds having different kinds of problems then it can affect the socially and emotionally. The compliance of social worker and the ability to handle stress is very impact because if the

| Risk: Stress related illness of worker affect compliance with work |        |        |      |
|--------------------------------------------------------------------|--------|--------|------|
| Probability                                                        | Impact |        |      |
|                                                                    | Low    | Medium | High |
| Low                                                                |        |        |      |
| Medium                                                             |        |        |      |
| High                                                               |        |        |      |

workers become stress out about the situation they will not be able to comply with the working condition and schedules and this will affect the overall success rate of organization. this type of risk should be monitored as early as possible and for that purpose there should be some discussion and meetings arranged among all the social workers where they all told about their problems. The management of this risk is possible by hiring emotionally stable employees and be giving them weekly training on how to behave in the stressful situation. This kind of training of social workers is important because it will remove the risk of stress related illness of works and their compliance with work gets improved. (Abishevaa & Assylbekova, 2016)

### **Funding issues disrupts the project schedule**

The whole project is scheduled on the basis of its funds available and the major objectives. So it is important that the funds should be raised as they were schedule to do and so as the working of people in the organization. Because another major risk is related

| Risk: Funding issues disrupts the project schedule |        |        |      |
|----------------------------------------------------|--------|--------|------|
| Probability                                        | Impact |        |      |
|                                                    | Low    | Medium | High |
| Low                                                |        |        |      |
| Medium                                             |        |        |      |
| High                                               |        |        |      |

with the funding of company because every task is planned according to the funds available to the organization and if any kind of distortion happened in its funding's then it will change the entire schedule. So the basic indicator which is used to assess this kind of risk is to have proper monitoring of the funding's received and spent by organization. The accounts of the company should be handled by the well professional people because these people are able to identify the risk at the first-rate. Moreover the risk can be managed by just following the routine monitoring of the funds of the company, because when the funding issues is found out at the first place then it can be reduced and there is no need to change either whole schedule of the working. This is the best step that can be used to manage the issues related to funding. (Seden, 2016)

### **Lack of information about stakeholder interest causes information distortion**

The stakeholder interest is an important part for the successful working of this company and it can impact the cost of working. But it is necessary that there should be enough information available regarding the stakeholder interest. (Seden, 2016) The stakeholder interest is important because

| Risk: Lack of information about stakeholder interest causes information distortion: |        |        |      |
|-------------------------------------------------------------------------------------|--------|--------|------|
| Probability                                                                         | Impact |        |      |
|                                                                                     | Low    | Medium | High |
| Low                                                                                 |        |        |      |
| Medium                                                                              |        |        |      |
| High                                                                                |        |        |      |

it will change the way of working of the organization and how they have been working on the different factor. This risk can be indicted by having the correct information records and have a close check on the information interest of stakeholder because it will help in mitigation the risk. The risk management of this kind of problem can be possible by having the checklist of

information about each stakeholder interest before adding them into the working practices and conditions. (Seden, 2016)

### Violation of legal requirement due to lack of knowledge

The social working organization is the key companies for any society and they have to follow the legal requirements that are possessed on them by the legislative bodies of the country. But if the company is not able to comply with the legal requirement imposed for its working then it will affect its quality of work and overall cost of work on the project will be decreased because a lot of cost will be spent on the management of regulations. This type of risk can be indicated when the legal regulatory bodies

| Risk: Violation of legal requirement due to lack of knowledge |        |        |      |
|---------------------------------------------------------------|--------|--------|------|
| Probability                                                   | Impact |        |      |
|                                                               | Low    | Medium | High |
| Low                                                           |        |        |      |
| Medium                                                        |        |        |      |
| High                                                          |        |        |      |

imposed some legal requirement on the organization working and the working of organization will be suspended because it does not follow the legal standards imposed on its working. (Miao & Huang, 2019) But it is possible to specify the risk response and to work on the strategies. The major strategy which can be used in this management of risk is to have a compliance with the legal requirement as formulated by the regulatory bodies which are working to have a strict control over all the operations of such social working organizations. (Taylor & Brian, 2017)

### Expected Monetary Value

Expected monetary value is the statistical technique that is utilized to measure the overall risk associated with different type. This value tells the average outcome of future outcomes related with the working of specific organization. (Abishevaa & Assylbekova, 2016) This value is calculated by multiplying the probability with the impact of the specific risk. As there are total five risks so we will add all the value of EMV to get the single value, and this value will be the expected monetary value for the whole project.

Expected Monetary Value (EMV) = Probability \* Impact

|                         |
|-------------------------|
| Expected monetary value |
|-------------------------|

| Risk                                                                          | Probability | Impact | Probability * Impact |
|-------------------------------------------------------------------------------|-------------|--------|----------------------|
| Negative attitudes of local residents towards project decreases efficiency    | 2           | 3      | 6                    |
| Stress related illness of worker affect compliance with work:                 | 2           | 1      | 2                    |
| Funding issues disrupts the project schedule                                  | 2           | 2      | 4                    |
| Lack of information about stakeholder interest causes information distortion: | 1           | 2      | 2                    |
| Violation of legal requirement due to lack of knowledge                       | 3           | 1      | 3                    |
| Total EMV:                                                                    |             |        | 17                   |

## Conclusion

So the social working organization project is implemented but there are various risk identified which can impact the working level of this project. It is important for the organization managers to have check on the different types of risk that are capable to decrease the efficiency working of the organization. there should be work done on the mitigation of these risks, the social organization are important part of community and working from each unit of the community is required for overall success of organization.

## Bibliography

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- Seden, J. (2016). Social work: risks,needs and balanced assessments. 1-14.
- Taylor, & Brian. (2017). Understanding Risk in Social Work. 375-378.