



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 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

1-Introduction:

Project service building is a part of the Main project of third Saudi expansion of the holy mosque and surrounding areas, we'll talk about control risk in project and such risk of activities.

2-Methodology:

The research method is based on experience and expert advice.

3-Results and discussion:

These are some examples of risk from my experience and my project, all risks, their impact and methods of correcting them will be explained.

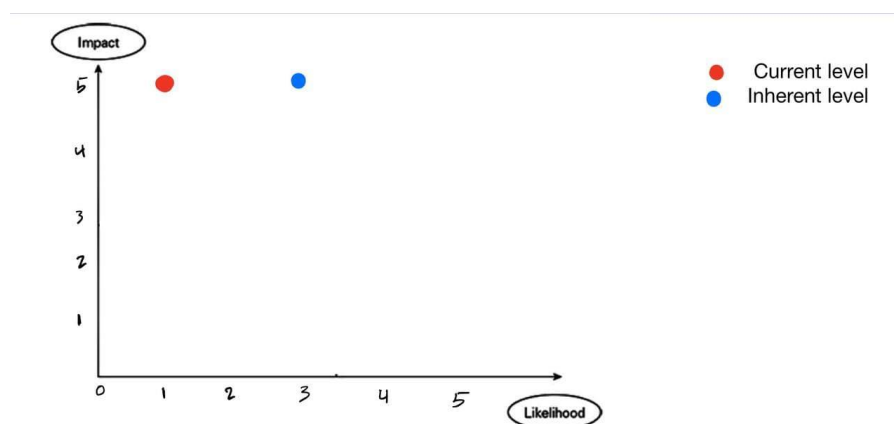
1. The work pouring of the element was delayed.

❖ Impact:

- delayed implementation of schedule.
- more cost because stopped the work.
- rework to prepare items for casting.

❖ corrective action:

- make pouring plan for every element and provide preparation machine for pouring before end of work.
- Contracts with efficient concrete companies and better equipment.
- Monitor deliverables with quality plan and project management plan.



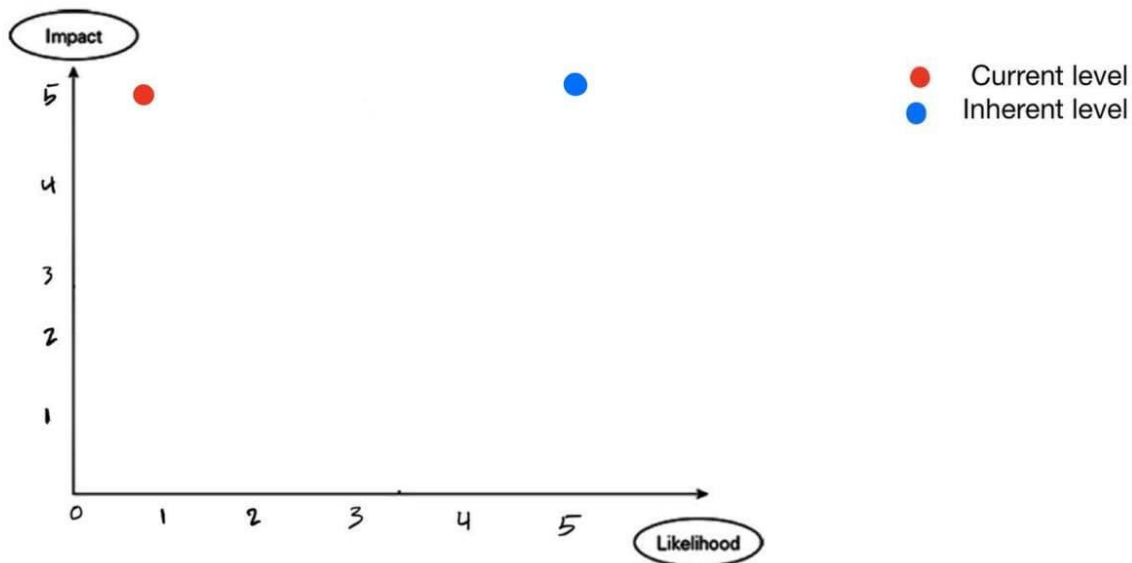
2. Alteration the design and drawing after start work.

❖ Impact:

- Delayed implementation of schedule.
- More costed because stop the work and change the scope and maybe end the project.

❖ corrective action:

- create board manager for change older.
- Mentoring change older.
- Approval the design and drawing before start work.



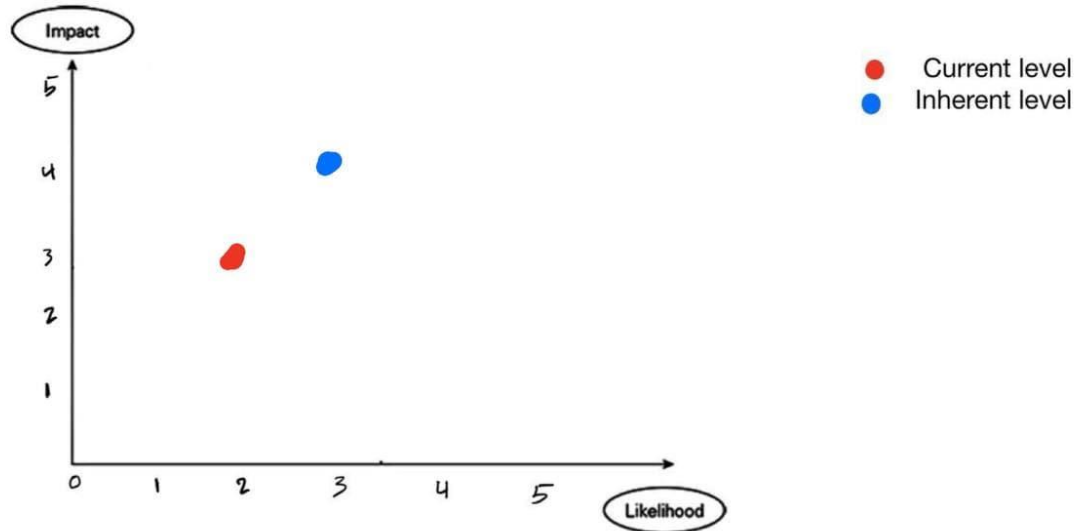
3. Break down of equipment and tools for work such tower crane.

❖ Impact:

- The work is stopped or will more time to finish this mean more cost and time.

❖ corrective action:

- contracting with maintenance company for all crane and equipment.
- Make alternative plans in the event of a breakdown of the cranes.



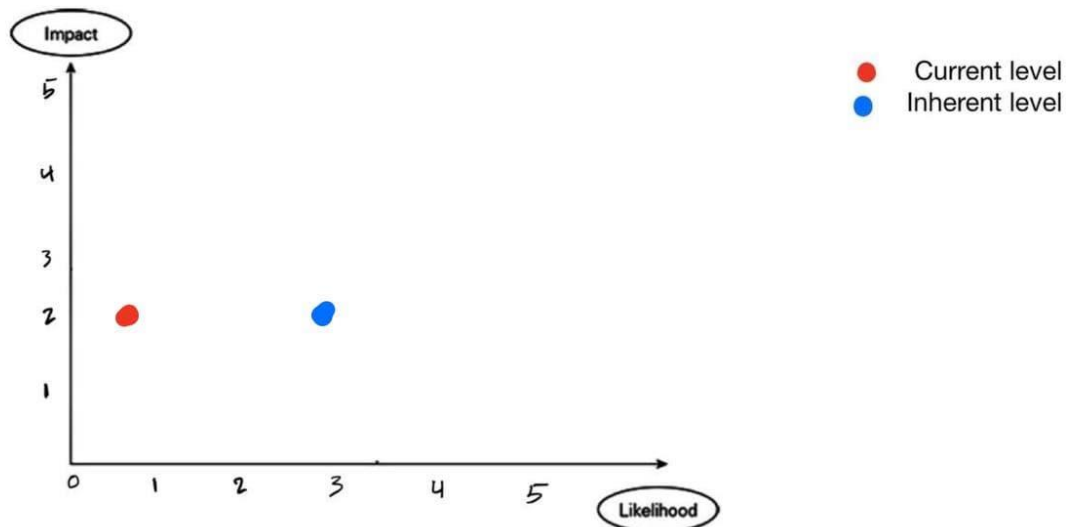
4. Lack of supply of one of the rebar diameters.

❖ Impact:

- Delayed the work this mean more cost and time.

❖ corrective action:

- create supply plane.
- monitoring the stocked.



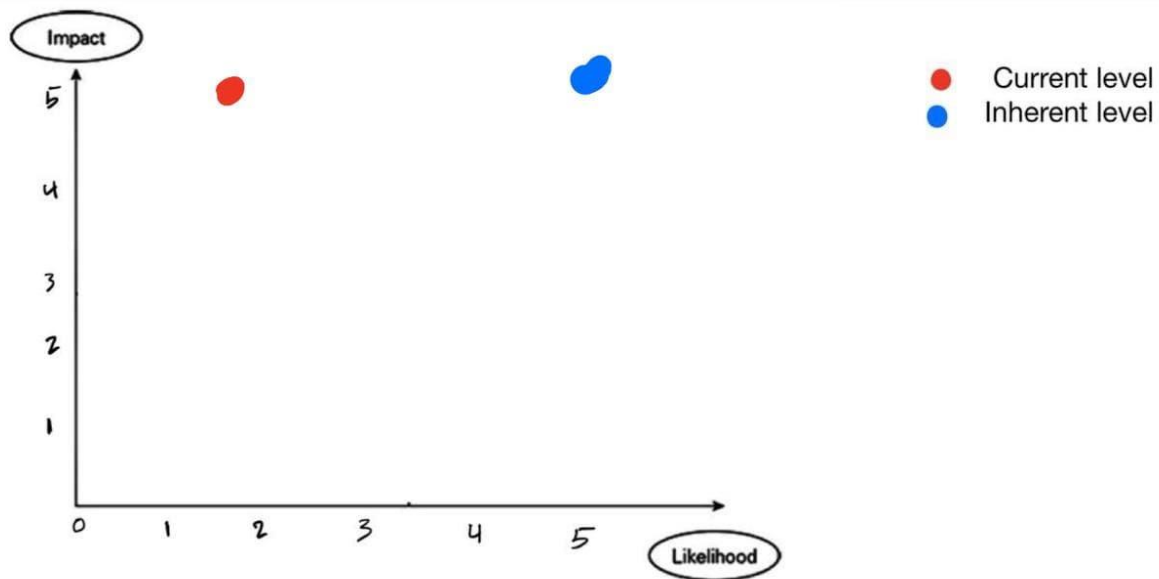
5. Rework.

❖ Impact:

- Late schedule.
- Delayed another activity.
- More cost.
- Receive fines.

❖ corrective action:

- create implement plan clear.
- Make a quality management plan to reduce rework.
- Continuous monitoring and control of activates and compliance with specifications.
- Create an efficient teamwork.



○ **Risk register:**

<u>No</u>	<u>List of risks</u>	<u>Likelihood</u>	<u>Impact</u>	<u>Severity</u>	<u>Severity After corrective action</u>
<u>1</u>	The work pouring of the element was delayed.	<u>3</u>	<u>5</u>	<u>Medium</u>	<u>Low</u>
<u>2</u>	Alteration the design and drawing after start work	<u>5</u>	<u>5</u>	<u>High</u>	<u>Low</u>
<u>3</u>	Break down of equipment and tools for work such tower crane	<u>3</u>	<u>4</u>	<u>Medium</u>	<u>low</u>
<u>4</u>	Lack of supply of one of the rebar diameters	<u>3</u>	<u>4</u>	<u>Medium</u>	<u>low</u>
<u>5</u>	Rework	<u>5</u>	<u>5</u>	<u>High</u>	<u>Medium</u>

<u>No OF RISK</u>	<u>Likelihood</u>	<u>Impact</u>	<u>EMV</u>
<u>1</u>	<u>.3</u>	<u>50,000</u>	<u>15,000</u>
<u>2</u>	<u>.5</u>	<u>50,000</u>	<u>25,000</u>
<u>3</u>	<u>.3</u>	<u>40,000</u>	<u>12,000</u>
<u>4</u>	<u>.3</u>	<u>40,000</u>	<u>12,000</u>
<u>5</u>	<u>.5</u>	<u>50,000</u>	<u>25,000</u>
<u>TOTAL</u>		<u>230,000</u>	<u>77,000</u>

5-References:

Paul Hopkin, Fundamentals of risk management , 5th Edition.