



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

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## **Risk Management**

### **Introduction**

Risk management is one of the basic elements that helps the school to face all risks and obstacles that may threaten the progress of the educational-learning process, as schools need to implement a number of strategies and plans that ensure the general safety of students and school personnel and are able to predict all the risks that are expected to occur. Risk management in schools is an integrative process that is developed and applied by all school personnel, including teachers and an administrative body, as those in the school contribute to developing and implementing public safety mechanisms and training to implement them in the event of any emergency or danger that could threaten the safety of students and workers.

The risk management mechanisms in schools are considered a safety tool that ensures maintaining the general safety of students and teachers in the school, as risk management in schools aims to raise the efficiency of students and teachers in dealing with potential risks such as an earthquake, fire or electrical cohesion in the school and training them to deal with Such risks can be achieved in the best way to ensure the safety of everyone in the school. The risk management in schools also aims to provide all students with the numbers of the authorities concerned with risk management, conduct training activities, and distribute leaflets explaining them

### **Literature Review**

Sato and Hiram (2013) defined risk as the possibility of a critical situation, where an activity cannot deliver mandatory outcomes required for the project objectives and no other immediate alternatives.

Risk management in schools is defined as a number of strategies and plans the school follows in order to know risks nature that may threaten educational process safety in the school to take necessary measures and precautions to confront them quickly in order to maintain the safety of students and teachers within the school. The risk management mechanisms in schools are considered a safety valve that ensures maintaining the general safety of students and teachers in the school, as the risk management in schools aims to raise the efficiency of students and teachers in dealing with potential risks such as an earthquake, fire or electrical cohesion in the school and training them to deal with Such risks can be achieved in the best way to ensure the safety of everyone in the school. School risk management also aims to provide all students with the numbers of the authorities concerned with risk management, conduct training activities, and distribute leaflets explaining how to deal with them (Lenhardt, Graham & Farrell, 2018)

It is also defined risk management in schools as all the preventive methods and plans that the school adopts to reduce all problems, dangers, tensions and disturbances that surround the educational process and threaten students' physical and psychological safety and use modern preventive methods to solve problems before their occurrence to ensure the progress of the process Educational to the fullest.

Risk management is identifying, measuring, monitoring and controlling risks to which the organization is exposed and developing appropriate strategies to manage it, provided that these strategies include either avoiding, transferring, accepting or minimizing the harmful effects of the risks and reducing them to acceptable levels. It may lead to financial, material or immaterial losses such as reputation and systems.

Pantep et, al (2013) showed that- risk management in private school today by four aspects included strategic, operational, financial, and compliance.

Risk management process is divided into five steps as follows: determining the objectives, investigation, assessment, administration, and monitoring and evaluation. Srisaenpang (2013).

Patthanajureepan (2013). The study concluded that the risk of basic secondary school occurred in four sections: 1- an academic management, 2- budget management, 3- human resources management and 4- general management. Risk management process included five steps; communication and awareness, identification, risk analysis and assessment, planning and management, and monitoring and evaluation of the risk.

There are many risks that schools are exposed to, both environmental and administrative, and technology, and are summarized as follows:

**1- Engineering risks:** which relate to the risks resulting from electrical connections, operating computers, laboratory tools and equipment, subsidiary electrical panels, and lighting poles.

**2- Structural risks:** These include the risks that students, teachers, school personnel, and school building users may be exposed to as a result of poor safety and health procedures in school buildings, such as exits and corridors, emergency stairs, and security and safety equipment.

**3- Mechanical hazards:** as a result of their exposure to the risks of laboratories, workshops and machinery as a result of the absence of safety and occupational health.

**4- Chemical hazards:** which result from the use of chemicals, gases, and fumes during the work of scientific experiments and industrial workshops.

**5- Health risks:** These are the risks that arise as a result of students being infected with diseases due to their exposure to germs secreted by the surrounding environment, due to the deficiency in the process of providing adequate sanitation in terms and quality, or as a result of the accumulation of waste in the school environment.

**6- Fire hazards:** which threaten the lives of students and school workers when there is no concern for public health and safety conditions, such as alarms and firefighting devices, and training school teams on how to act in situations of risk occurrence.

**7- Personal risk:** It expresses the damages that arise as a result of indifference to the application of appropriate measures for public health and safety, and the absence of awareness-raising programs and methods.

**8-Reputation risk:** Reputational risk is the potential for negative perception of students, parents and regulatory authorities regarding the school image. This type of risk affects the ability of the private school to establish relationships with the local community.

**9-Legal risk and compliance:** It is the risk caused by violations or inconsistency with laws, regulations, specific practices, Legal risks caused by non-compliance with laws and contractual obligations and the possibility that contracts, unenforceable lawsuits, negative judgments, or negatively affect the operations or

## Risk Assessment

### Occurrence Probability Degree

| Score | Probability Degree | Results                              |
|-------|--------------------|--------------------------------------|
| 5     | Very High          | Certain Risk mostly once             |
| 4     | High               | Risk occurs often 1 of 10 times      |
| 3     | Moderate           | Risk occurs sometimes 1 of 100 times |
| 2     | Low                | Risk Occurs rarely 1 of 1000 times   |
| 1     | Very Low           | Risk occurs 1 of 10000               |

### Risk Assessment Matrix

|            |                | Impact/Consequence |              |              |              |               |
|------------|----------------|--------------------|--------------|--------------|--------------|---------------|
| Likelihood |                | 5                  | 4            | 3            | 2            | 1             |
|            |                | Catastrophic       | Major        | Moderate     | Minor        | Insignificant |
| 5          | Almost Certain | Extreme (25)       | Extreme (20) | High (15)    | High (10)    | Moderate (5)  |
| 4          | Likely         | Extreme (20)       | High (16)    | High (12)    | Moderate (8) | Moderate (4)  |
| 3          | Possible       | High (15)          | High (12)    | Moderate (8) | Moderate (6) | Low (3)       |
| 2          | Unlikely       | High (10)          | Moderate (8) | Moderate (6) | Low (4)      | Low (2)       |
| 1          | Rare           | Moderate (5)       | Moderate (4) | Low (3)      | Low (2)      | Low (1)       |

### Risk impact Score

| Score | Impact Score  | Results                                                    |
|-------|---------------|------------------------------------------------------------|
| 5     | Catastrophic  | Risk leads to terminate the project                        |
| 4     | Major         | Risk has negative impact and large results                 |
| 3     | Moderate      | Risk that can be managed but needs additional resources    |
| 2     | Insignificant | Risk that can be managed in normal operation conditions    |
| 1     | Insignificant | Results that can be deal within normal operation condition |

All above mentioned risks can be assessed through using risk assessment matrix

### Risk Indicator

| Index | Risk Degree |
|-------|-------------|
| 20-25 | Very High   |
| 15-19 | High        |
| 10-14 | Moderate    |
| 5-9   | Low         |
| 1-4   | Very Low    |

### References

Charoen Srisaenpang, Chaityuth Sirisuthi & Subunn Ieamvijarn(2014) The Development of Risk Management System in Primary School, Asian Social Science; Vol. 10, No. 1

Lenhardt Ann Marie C, Lemuel W. Graham ,Melissa L. Farrell (2018) A Framework for School Safety and Risk Management: Results From a Study of 18 Targeted School Shooters The Educational Forum 82(1):3-20

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