COVER PAGE AND DECLARATION

	Master of Business Administration (M.B.A.)
Specialisation:	(M.B.A) In Operations Management
Affiliated Center:	CEO Business school
Module Code & Module Title:	MGT580 : Project Management
Student's Full Name:	Yosry Adel Yosry Abouelhassan
Student ID:	EIU2020526
Word Count:	3507
Date of Submission:	July 30 2022

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E-SIGNATURE: yosry adel abouelhassan

DATE: July 30 2022

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Introduction

In this report, we will present and cover the methodology that supports project management through two different cases. The first case is to submit a proposal to Aspire corporation to implement a new project and work on implementing the project from beginning to end, and the second case is to provide advice from the implementation side and the economic feasibility of the government of Thailand in implementing a railway High speed connection from Thailand to Bangkok, The project is an exercise that is carried out according to a specific agreed period of time and is carried out with an expected and specific budget and is divided into a group of stages that make up the project life cycle. The project is divided into a group of stages for the purpose of tracking and controlling each important stage separately, It is important for each project that determines the success or failure of the project is project management. The goal of project management is to manage all the resources and various aspects of the project in such a way that the resources deliver all required outputs from the project within the agreed time and cost range before the project was established, With an understanding of the good project management methodology, as will be explained in the following, many points must also be available to ensure good results are achieved in good relations, the ability to negotiate and reduce risks, In order to manage the project professionally, tools should be used to facilitate and assist in the process of collecting and analyzing data, and we will review the appropriate tools for analysis and reduce the risks that the project may face.

Project proposal for Aspire corporation

Executive summary: the proposed project for Spire corporation will be the establishment of a health club and spa that cares for physical comfort and mental comfort through exercise, yoga and meditation, one of the objectives of the project will be to create an environment for clients to feel satisfied with themselves physically and mentally and to provide services to those looking for recovery as well as those who exercise to strengthen their bodies and provide all summer activities.

Project budget : The project budget contains all the financial details of the project and estimates all the costs of resources and materials so that we can carry out a successful project , it is very important to monitor project expenses based on the budget set to avoid cost overruns, The project consists of a set of tasks, each of which of course has a cost, such as employment, resources, suppliers and all expenditures calculated in the budget, In order for budget estimates to be accurate, we must work on a specific schedule showing projected expenditures, Besides the budget templates, there are tools that help manage the budget for the project, namely, Gant's charts and the dashboard, as Gant's charts allow us to apply direct costs to tasks and using the dashboard, we can first compare the actual costs with the costs placed in the balance sheet, enabling us to adhere to the budget, It is known that the money that makes the project happen so it is very important to discuss the budget before starting the project, to know the budget for the project, he finds out what work will be done according to a specific timetable, the use of the business division structure (WBS) and the linking of those works to the funds needed for the project's work, The budget is divided into a set of points that we will review as follows.

- Workers and materials, which is one of the most important components of the budget and can be the most expensive and the cost of labor is calculated for each task required in the project and the time required and the cost of the materials required to complete the task to take care of the commitment to the budget set.
- Other line items are collected as they can break the project's budget and must be under control and control.
- Equipment cost of equipment used in the project and the cost varies from expensive heavy equipment to secondary equipment and is recorded in the budget template.
- Fixed elements and the total cost of fixed items whose costs are known and fixed for the duration of the project.

Budget for fitness club & spa									
WBS	Project task	Labor cost	Materials	Travel	Equipment	Fixed	Budget	Actual	Under/ over
1.0	Physical location			10,000		700,000€	800,000€	710,000€	+90,000€
2.0	Building	70,000€	150,000€	10,000€	25,000€		250,000€	245,000€	+5,000€
3.0	Certifications					150,000€	140,000	150,000€	-10,000
4.0	Licenses and permits			15,000€		25,000€	25,000€	40,000€	-15,000
5.0	Gym equipment				30,000€	525,000€	600,000€	555,000€	+45,000€
6.0	Computer network and POS system	1,000€	7,000€		15,000€	25,000€	49,000€	48,0000	-1,000€
7.0	Miscellaneous gym supplies	5,000€	50,000€		10,000€	50,000€	136,000€	115,000€	+21,000
	Total						2,000,000€	1,863,000	+137,000

The project budget is a very difficult thing in project management and needs high accuracy in managing it and controlling the expenses of each stage in order to be able to control it in order to stick to the budget set without tracking the budget placed can not be sure that the team spends the budget properly.

Risk analysis: Project management risk analysis is defined as a series of processes that identify a range of factors that may affect project success, including risk identification and analysis, management and control of these risks as proper risk analysis helps to avoid future events that may harm the project and that process is a proactive step, we will review a structured analysis of the risks that we may face during the project and those risks are either quantitative or qualitative, which in turn affect the deadline for the completion of the project or the quality of the work established, and those risks are analyzed at their occurrence rates and the steps to be taken if they occur are determined, quantitative risk analysis is through a numerical and counting calculation to calculate the impact of risks on the project as a whole and the various project results are considered by numerically calculating the risks and calculating them in the planning stages and quantitative risk analysis helps to reduce the number of certainty about the success of the project, qualitative risk analysis depends on the probability of each risk and thus helps the team to identify the risks to be focused on based on determining the probability of the mistake as well as the degree of its impact on the project and considers this method of analysis faster than quantitative analysis, we will use qualitative risk analysis for our project through these steps.

- Create a list of risks that the project is likely to face through experiences in previous projects and through colleagues and project staff, which may include budget deviation, weather conditions or time constraints.
- Identify risk, evaluate errors and their importance and give them high, medium and low levels of importance through the information collected.

- Develop a matrix to evaluate risks and give them numbers, for example, low 0 to high 1, and measuring the severity of the risk impact on the project helps the use of the matrix in the organization of records.
- Classification of risks into three sections identifying vulnerabilities and identifying risks that result in more than one impact as well as risks that are more costly to the project.
- Develop solutions to the risks that have been analyzed through a complete plan to deal with these risks together, anticipate the possibility of them occurring, and
  conceptualize how they will occur if they occur.
- Risk scale management is used to measure the efficiency of risk analysis and the number of risks that have occurred, the number of risks resolved and the number of risks that have occurred are measured from previously identified risks.
- Risk auditing is done by checking and modifying the risks placed by Habra in the field or adding some risks to them and making sure they are aware of all potential risks.
- We must update the risk record to be always aware of the risks we face and also to be aware of all the risks facing the project, whether they are new or unmentioned risks.

ID	Risk description	Likelihood of the risk occurring	Impact if the risk occurs	Owner	Mitigating action
1	Delay in issuing project licenses	Medium	High	Project Manager	Contracting with a company specialized in issuing permits
2	Equipment arrival delay	Low	High	Project Manager	Develop an alternative plan to finish other business
3	Construction delivery delay	Low	Medium	Project Manager	At least put another contracting company ready to work
4	External factors and environmental conditions	Medium	Medium	Project Manager	Prepare well for any potential changes

Competitive analysis: to distinguish between the outputs of the project that we will be establishing and other projects, we will have to make a comprehensive analysis of similar projects in order to be able to add competitive advantages that make our project have a competitive advantage, The purpose of the analysis will be to obtain competitive advantages for the project that we will build and to improve the business strategy during the establishment of the project, and since it is difficult to know what competitors are doing to attract customers, but there are things that can be collected information about, such as describing the target market, customer reviews for similar services, finding what consumers lack for the same service in other competitors by making a questionnaire based on their experience, what they wish to find in a new gym and health club, We will do a competitive analysis through a set of steps.

- Creating an overview of a group of competitors and collecting strengths and weaknesses, and they have the same services that we seek to provide in our private project, as well as searching for different market influences and how to overcome them.
- Gathering information from the market and what customers need from our project and the service that we will provide. We will collect primary and secondary information. The primary groups will be experimenting with services with competitors we, conducting online opinion surveys, and secondary research on ways to identify new and unavailable technology from competitors.
- Using SWOT analysis to analyze the strengths, weaknesses, and threats that may face and transform the weaknesses and threats facing the project into opportunities that can be exploited for competition.

Quality control in project management: It is a process that consists in examining the outputs of the project in all its steps and making sure that they conform to the specifications set. To achieve the highest level of conformity, decisions must be taken to accept or reject the outputs according to a specific specification**,** the project will contain a set of important operations for which we must put different forms of quality control methods in order to treat the line from the beginning of its occurrence and avoid incurring additional costs, the quality system is divided into quality assurance and quality control, and quality assurance is the largest image of the quality system, and quality control is subdivided from it, this stage is not independent by itself, but rather the implementation stage begins to monitor all stages of implementation accurately in order to ensure that the time, cost and quality of each process does not go out of the right scope, in this step, we consider a comprehensive examination of all project outputs, and this is done by setting performance measurement rates for each stage of the project.

Team member break down: In order to establish the project, this will need a group of works that require skilled workers, technicians and leaders to carry out, and that constitutes the project team, in order to ensure that the project will take place in the way we aspire to, we need certain specifications in the project team, which are understanding the scope of work required and working according to a specific schedule and according to the budget set, the project team is divided into three sections. The first section is the leaders whose member's work. The second section is under their leadership. Leaders must be distinguished by the ability to inspire and motivate the team so that they can reap the fruits of success together. There are consultants who do not have specific tasks in the project, but their role is to provide support to leaders The project, responsibilities are distributed to the team as a whole, and the team must be aware of all responsibilities within the scope of work specified in the specific specification and the specified time, now that the team is ready and everyone within the project team knows the tasks required of him, the work organization structure is created and it is a large scheme that is divided into small tasks in which the tasks of each individual in the team are explained, the work breakdown structure is used to divide the project into a set of tasks that are easy to complete and track, and eventually by assembling those tasks, we reach the goal, which is the completion of the project,

It is very important when distributing tasks to work within the scope of the budget set for each task until the project is completed successfully.

High -speed railway project viability analysis

What determines the establishment of the project or not is to be applicable and to be wise and profitable and in order to determine the feasibility of the project and there are a range of factors that affect the feasibility of the project including costs and sometimes the costs change from the budget set at the beginning of the project as a result of the sudden rise of raw materials and the time is very important to maintain the time required to finish the project be one of the reasons for the success of the project or failure before it starts and indicate the feasibility of the project if the project has the ability to achieve Economic objectives set for him before construction or not, sometimes economic feasibility is not the only criterion for accepting or rejecting the project, and other elements include the risks that will result from the establishment of the project as well as technical, environmental and institutional factors and the impact on the environment, the economic viability of the private project will depend on a set of economic factors that we will explain at the following points.

- Benefit cost ratio (BCR) the benefit-to-cost ratio, which is used to analyze cost-benefit to summarize the relationship between the relative costs and benefits of a proposed project, and if it is greater than one, means moving forward towards the implementation of the project.
- Cost benefit analysis (CBA) cost and return analysis from the project that we will target and in the cost analysis of interest we will collect all the benefits and costs associated with the planned project, which includes labor costs and materials used as direct costs and indirect costs involved in the project such as general costs or rental of equipment and alternative opportunity costs that could replace the project, including analysis of the benefit of the project and the analysis of how to improve revenues and innovative ways to increase them.

- Economic analysis the economic analysis contains the evaluation of costs and benefits and begins with the economic seriousness of the project and the analysis is interested in answering those questions should we rely on the public sector or the private sector in the implementation of the project and what is the financial impact of the project and how we will ensure the recovery of the costs of the project and what is the environmental impact of the project.

Using the various tools for analysis and data presented in the budget of the project 100 billion baht and the cost of the ticket 1200bahtsikom it is economically feasible to set up the project due to the high demand for movement between Bangkok and Chiang Mai but for the project with a meaningful economic return we will recommend a group of recommendations at the following points, that will increase income to make the project more economically meaningful and increase the expected profitability of the project to cover the costs and support the view that adopts the establishment of the project, Also serving the citizens and their comfort is an important task in terms of providing safe means of transportation and serving all segments and also reducing traffic on the roads by providing other types of conductors that serve many sectors and benefit the society as a whole.

Proposal for additional ways to increase earn income for high-speed railway

Relying solely on tickets for passengers on the railway company's trains will not be enough to cover expenses, so we need to look for other methods and proposals to improve the material return and look for services that we can provide that are desirable from customers and have a meaningful return.

- Shipping goods faster and securing other roads and setting up a track-to-track shipments and confirming their arrival at the delivery station and providing all means for companies and individuals to encourage them to ship their goods by rail.
- The use of the railway network in various advertisements, both visible as the use of screens and banners, as well as through posters in advertising places, which are desirable from dependents due to the large public who use high-speed railways, which helps brand owners to spread their brand more and in order to attract customers we must provide a database of customers in terms of age and gender in order to attract customers who want to target that segment.
- Exploiting the locations of different stations and dividing them into parts used to sell goods and cafeterias to wait in a civilized and orderly form and serve the passengers is good to meet their needs and returns with a good long return to the railway station.
- The search for sponsors whose logo is placed on trains in exchange for an agreed financial return introduces the public to the brands of sponsors and benefits the railway and makes us partners in success.
- Use companies specialized in providing supplies to people who are tracked electronically and by providing different payment methods through coffee and

beverage machines within self-catering trains as well as providing valuable gifts to passengers in different ways within train carriages.

- Encourage the activation of monthly and annual subscriptions with discounts that ensure the operation of trains throughout the year and agree together companies that want to transport goods or employees and ensure the quality of delivery and time to encourage the work of monthly and annual subscriptions.
- Provide all the comforts for passengers across Pena's train lines and advertise it through various visual and audio media to encourage travelers to experience different amenities and increase ticket sales by offering a unique experience.
- Work together celebrities to promote Pena train travel, photography while travelling and spreading it through their personal accounts, encouraging their audience to experience trains and various entertainment.
- Diversity of levels of well-being within trains and linking them to prices to suit all categories and there are segments suitable for all income levels and explain this in detail in the entrances to stations and advertisements to encourage different groups to travel by train.
- Provide a smart application via mobile phones in addition to the site on search engines to display services and easy to know the dates of trips and provide support and hear inquiries and complaints and make a questionnaire to make sure the satisfaction of customers.

Conclusion

Project management is one of the important tools in implementing the work plan, fixing works, setting priorities, and forecasting the risks that may face the project. It also helps project management in detailing the tasks that will be accomplished during the project's work period. The project is based on three main components: time, cost, and scope. Participates in the tasks and the time specified for each task, there are many auxiliary tools that are used in project management, such as the division of daily tasks, WBS, and Gannett charts that help facilitate things faster and better, Project management is considered a critical tool in the growth process, determining the judgment of the risks facing the project and how to overcome them and developing innovative solutions for it, project managers are characterized by harnessing modern tools to help the team as a whole to overcome the difficulties facing the project, as well as training the team to optimize the use of resources and work for the success of the project in terms of time, cost and within the specified scope, identifying the approach in which the project will be managed is one of the most important advantages of managing projects professionally and help to achieve the maximum possible benefit, if the project is accepted, the management has full responsibility in the event of the failure of the project, the risks must be identified well and also the ways to overcome them, since if they are unable to overcome them as a result of the lack of appreciation, the entire project will fail or be completed on time.

References

Felici , M. (2006) Project Management (Presentation): https://www.infobooks.org/pdfview/4590-project-management-presentation-massimo-felici/

Petersen , C.(2017) The practical guide to project management: https://www.infobooks.org/pdfview/4577-the-practical-guide-to-project-management-crhistine-petersen/

Shane ,J.& Strong ,K.& Gransberg ,D.& Jeong ,D.(2012) Guide to Project Management Strategies for Complex Projects: https://www.infobooks.org/pdfview/4574-guide-to-project-management-strategies-for-complex-projects-jennifer-shane-kelly-strong-douglas-gransberg-david-jeong/

W. Darnall ,R.& M. Preston ,J. (2012) Beginning Project Management: https://www.infobooks.org/pdfview/4570-beginning-project-management-russell-w-darnall-john-m-preston/

Wallace , W.(2016) Project Management : https://www.infobooks.org/pdfview/4580-project-management-william-wallace/