

The Importance and Trending of IT Project Management

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Abstract—Project management is the process of leading the team to achieve goals and achieve success criteria within a given time frame. It uses knowledge of management, tools, and techniques on the project, to solve the problem or achieve the requirement of the project. It includes plan, process, people and power.

Keywords—IT Project Management, Future, It careers

I. INTRODUCTION

On December 1, 2020, an industrial talk “The Importance and Trending of IT Project Management” was organized using Webex app. This industrial talk started at 10:00 A.M. , presented by Mr. Mohd Khairul Reeza. He is the head of Project Management Office, Commerce Dot Com Sdn Bhd. He is an experience in It Project manager leader with obtaining his professional certificate in management of portfolio and project in the control environment.

II. IT PROJECT MANAGEMENT

A. The Importance of IT Project Management

To say simply project management is about getting things done, it's about knowing what you want to achieve, how to achieve that and how long it might take. Everyone involved had to share and understand the aims of the project before the very beginning steps were taken. So successful projects don't happen in a moment; there are masterpieces of planning, management, organization and communication. To fully get the results of a successful project the people with the right skill and knowledge are needed to work together in a well managed and motivated team so that a project can be concluded without compromising any extra time, cost or quality.

The processes would be broken down into shorter and manageable tasks by splitting a larger portfolio into many parts that further break down into even smaller projects. Through this, without problems with any companies participating, many individual companies may handle their own tasks or services. Therefore, companies would now be able to focus all their efforts on one goal, thus improving the efficiency of the result.

During the talk the speaker has mentioned about Prince 2 and the importances of it. This methodology is mainly used in construction and IT sectors and the reasons behind them are most of the projects involve large expenses and some products better delivery on time rather than having them industry in the earlier time furthermore work pace cannot be disturbed as it will bring more extra expense and time.

The most important thing in the project is 6 key points (Time, Quality, Scope, Risk, Benefit, Cost). This points has to be taken seriously when doing a project as they are very valuable.

Therefore, the individual steps of a large project should be customized or specialized to accommodate and respond to the project's size or design. This causes the steps to be simplified but still allows the cost factor to be reduced while keeping the efficiency of the result at a good number.

B. Trending of IT Project Management

- Gig economy

A gig economy is a labor market characterized by short-term contracts or freelancers rather than long-term work. With the digital and Remote team more common than ever, the gig economy is growing. With the ease of information flow, more and more tasks can be performed remotely, thus the separation of staff and company locations becomes possible.

- Big data

Big data is a term that describes massive amounts of data. Big data is a subset of project management, but greater focus on data. With a big amount of data, we can understand customers by analysing data.

- Artificial Intelligence (AI)

AI is the broad branch of computer science that involves building intelligent machines capable of performing tasks that normally require human intelligence. For digital projects managers, Ai-enabled technologies will help prioritize projects and allocate resources for production.

- Change Management

Change management is a discipline that guides how we prepare, equip, and support individuals to adopt change in order to drive organizational success and results. Digital project managers must effectively manage change to complete projects and promote their organizations.

- The emotional intelligence (EQ)

EQ refers to an individual's ability to recognize the emotions of himself and others. In addition to the trend toward project management, soft skills are more formally considered important in many job areas.

III. RELEVANT IT CAREERS

To manage a large project a leader must have essential skills to make the project come to through fruition.

Decision making	Having to be a leader for a project or job, you must think twice before you come to
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	a decision. That includes the outcomes of the multiple decisions that could be taken, the advantages and disadvantages of the decisions.
Working under pressure	Being able to work properly under pressure is one of the most critical criteria for leading a project. One will face multiple situations and incidents in a project and these situations, if not handle properly, will impact the project negatively. Keeping cool all the time and still focusing your attention on the task at hand is really important, because losing calm will affect your project and your team
Leading skills	For the leader of every project, providing strong leadership is essential as, from the beginning to the end of the project, the leader must be able to guide his team in a positive way. They should have high motivation to complete the project. After any improvements the team makes in the project, the leaders must inspire the team.
Communication	The management of a project requires effective and reliable communication skills. A good leader should know how to communicate with the members of the project to firmly grasp the goals and tasks in this project that the leader needs to achieve. He should also have the means to communicate easily with his clients or members of the company. This helps to present a positive vibe in the entire project.
Experienced in own field	You must have sound knowledge in your own field, which are known as hard skills, to be a good boss. This experience allows you to complete your physical or digital assignments. There are also scientific skills that are found in many different research sectors. Many companies now rely on staff with strong technical expertise and if the leader of the project also possess these skills, it will be more beneficial for the project.

Table 1: Skills that are needed to lead a project [1]

An Information Technology Project Managers can earn between \$36,000 to \$134,000 [2]

IV. REFLECTIONS

- Ahmad Kemal Aushaf

Project management is something that crucial in everybody's life. It is flexible and can be apply everywhere because it can be adapted. This talk has provided us about the trend and prospect of project management not only that, the speaker gave us his experience and how this project management is being implemented in real life problems and in the industry which make things more interesting and relatable.

- Samuel Luk Kie Liang

I hope that I can master the knowledge of this course. Project management can help us to learn how to manage our project and it will help us to learn efficiently. It makes us achieve our goals. We have learned how to use our knowledge, tools, and techniques to achieve our goals. I could make a daily plan to manage my time and study efficiently. Besides, I can have teamwork to distribute our work equitably and it will make us solve problems easily. (Samuel Luk Kie Liang)

- Adnan Shafi

I choose software engineering so that I can be a part of jobs related to computers and networking. Since I was little, I was always fascinated by how computers work and from that fascination, my interests in computers started to build up. So, whilst watching this Industrial talk, I realized that I can use my skills from my bachelor's degree in any field that requires assistance from IT. I hope after this industrial talk, I can use my newly acquired knowledge and can be successful as the speaker.

ACKNOWLEDGMENT

We have learned a lot of new things from this industrial talk. We had no idea how high-value people were, in many different fields. We are very grateful to be a part of this program. This report would not exist without the main speaker of this talk, Mr Mohd Khairul Reeza Ruslan and the moderator, Dr Goh Eg Su, who arranged this amazing and informative session.

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