

# The Importance and Trending of IT Project Management

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**Abstract**—Information Technology is implemented in almost all areas including business activities. It is kind of impossible to separate technology from daily business activities. At the same time, organizations are vulnerable when the systems are fails. Connections that down, data loss and malware can influence the daily activities. The implementation of IT management can ensure that information technology is secure, affordable and performs well. It is used to organize the processes of the project and increase its efficiency.

**Keywords**—Project Management, Trends, Relevant Careers

## I. INTRODUCTION

This Industrial Talk activity was held by Technology and Information Systems (SECP1513), School of Computing, UTM on 01 December 2020, Tuesday at the time from 10.00 AM to 11.00 AM. In this talk, we were honest that could invite Encik Mohd Khairul Reeza Ruslan which is the Head of Project Management Office of the company Commerce Dot Com Sdn Bhd to become our speaker. The content of this industrial talk is The Importance and Trending of IT Project Management.

## II. IT PROJECT MANAGEMENT

### A. The Importance of IT Project Management

What is a project? Project have many characters that includes time, cost, quality, scope, risk and benefit. Cost, one of the characters brings the mean of the cost that you are willing to sacrifice for the success of the project. Other than that, we also have quality, which includes the first, second and the third-class degree of quality. After that, scope, which shows that most project are limited to the chapters we learnt and practiced. Not only that, risk for the project, one of the characters lies in human error, love, financial problems and sickness. Last but not least, the benefits gained from the project are guaranteed to ensure us to get a job or a successful degree.

In order to progress with a project, we need to understand project management. It is the application of knowledge. Skills, tools and techniques to project activities to meet the project requirements. This shows that project management is the core of succeeding in any project or work given. Without any effective and strong project management, it is guaranteed that the outcome will be sloppy and less quality than expected. Moreover, in long term cause, without it, work given during the career will not follow the client's and the market's demand, thus degrading the worker's career quality and status.

One of the questions that was being asked in the talk

was how to ensure the students will complete their studies and their project. The answer given was, intended for the students, to finish their work in time and ask questions whenever needed. Not only that, another question that was asked was how to manage students that avoids doing things. It is wise to advise them that completing their works is vital for their own future, encourage them to work with same objective as their own dream, and make them reflect the importance and benefits gained from their assignments.

### B. Trending of IT Project Management (Heading 2)

- **Shifting, Globalized Gig Economy**  
A labor market characterized by the prevalence of short-term contracts of freelance work as opposed to permanent jobs; greater reliance on Digital dan Remote Teams; time, people and task management; to keep work flowing smoothly; teams are different time zones.
- **Method Melding**  
A mocktail please, with a hint of Agile and a drizzle of Scrum, topped with a spritz of Waterfall.
- **The Impact of Emotional Intelligence (EQ)**  
IQ get you hired, EQ get you promoted, Increasing Business Value of "Soft Skills".
- **Advanced Project Management Tools and Solutions**  
Project planning, scheduling and time tracking; Communication and collaboration; Budget and deadlines; Progress tracking.
- **Automation and Artificial Intelligence**  
You won't be replaced by a limbless drone anytime soon- but you'd better learn to play nice with AI; Digital Project Manager.



Fig. 1. Trending of IT Project Management

## III. RELEVANT IT CAREERS

TABLE I. Relevant IT Careers

Career Related	Details	
	Responsibility	Salary
IT Project Manager	<ul style="list-style-type: none"> <li>- Write a project plan that involve goals, technologies, system, schedules, budget and personnel.</li> <li>- Monitoring the current situation having the implementation meeting with project personnel and upper management</li> </ul>	\$96,000 - \$161,500
Software Product Manager	<ul style="list-style-type: none"> <li>- Setup the strategy with long-term vision</li> <li>- Communicate the strategy with all the relevant</li> <li>- Control the result of the strategy</li> </ul>	\$104,250 - \$177,000
Network/ Cloud Manager	<ul style="list-style-type: none"> <li>- Work with key account manager to design, develop, market and sell service solution</li> </ul>	\$100,500 - \$174,750
Technical Service & Operation Manager	<ul style="list-style-type: none"> <li>- Directs staff on operation, maintenance, and repair of information technology systems.</li> <li>- Planning the policies and strategies to solve critical technical problem or procedural issues.</li> <li>- Provide work operations reports to company management to help in taking key business decisions.</li> </ul>	\$111,500 - \$190,750
Information Security Manager	<ul style="list-style-type: none"> <li>- Provide information security awareness training to the whole organization</li> <li>- Provide and manage the security strategies</li> <li>- Provide training for new staff during onboarding</li> <li>- Guiding the physical security, disaster recovery and data backup system.</li> </ul>	\$124,250 - \$213,000
Chief Information Officer (CIO)	<ul style="list-style-type: none"> <li>- Determine the objective and strategies for the IT department</li> <li>- Commander of IT-related projects</li> <li>- Determine the put into use of new system</li> <li>- Giving guidance to IT professionals and the other staff</li> <li>- Evaluate the costs, value and risks propose to advise management and suggest action</li> </ul>	\$175,500 - \$300,250

#### IV. REFLECTIONS

- I hope this program can lead me to success in my future IT job. This talk lets me know about the importance of the management. By developing the managing skill, it would easy for me to see the way to the goal. I also will level up my planning and implement skill to improve my potential in the industry.
- I want to be capable of developing a software that meets the needs and can helps people surroundings. From this talk I can find out that we should have a good management in order to achieve success. I need to study and explore more knowledges by reading many books, journal and blog that related to my program in order to improve my potential in the industry.
- I hope to become an entrepreneur to have my own IT company. I hope that this course can teach me more knowledge about IT and also about an entrepreneur. As everyone know that to become a success entrepreneur needs a lot of preparation on

skills or knowledge. I understand now about how importance of project management effect the entire project done by company after attending the talk. This makes me feel that I am not ready yet to become a boss and I am on my way to that. Before that I was thinking that an entrepreneur is just doing easy things like making decision on the direction of company development but now I realize that the importance of the working of a company. So from now on, I will more focus on the knowledge relate on how a company work to ensure my company have a good health on growing and if there is emergency happen on my company I will know how to handle it.

- I hope to achieve my dream to make a software with good graphics. I hope that this course can teach me the ways to make a proper software with working mechanics. This talk encourages me that my dream is an achievable feat. Before entering this course, I only have the courage to dream only about it. But after entering this course and hearing the talk, I feel like if work hard enough and focus well through the lectures, I can achieve my dream. I need to be well informed about this course's information and the knowledge given. I need to study more about the terms used, the basics of this industry in order to familiar myself with this program.

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