

# Report on Industrial Talk about The Importance and Trending of IT Project Management

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**Abstract**—This paper is mainly about the information from an industrial talk titled “The Importance and Trending of IT Project Management”. The information covered including importance and trending of IT project management, its relevant IT careers, and each member’s reflection after participating the talk.

**Keywords**—importance, trending, IT project management

## I. INTRODUCTION

On the 1<sup>st</sup> December of 2020, an industrial talk that titled ‘The importance and trending of IT Project Management’ has been conducted virtually through Webex. The talk started from 10 a.m. to 11 a.m. and it was attended by all the students from the School of Computing of UTM. The speaker of the talk was Mr. Mohd Khairul Reeza Ruslan who is the Head of Project Management Office from Commerce Dot Com Sdn Bhd and the moderator of the talk was Dr Goh Eg Su who is a senior lecturer from School of Computing, UTM.

## II. IT PROJECT MANAGEMENT

### A. The Importance of IT Project Management

From the talk, we know that IT Project Management is very important for an IT project. According to the talk, a project has many aspects to consider executing the project successfully.



Figure 1: Aspects of an IT Project

First, good project management for IT project is important because good project management can bring leadership. If a project is conducted using project management method, it needs a leader which is the project manager. A project manager must be familiar with the project and the process of completing the project and if there is any problem occur in the process of completing the project, the project manager will be the refer to the team and leads the team to solve the problem.

Next, IT project management is emphasized in an IT project is because it can reduce and manage the risk of the project. With excellent project management practice, every single possible risk factor will be analyzed and determined before the project started. For those risk, the project manager will have to develop

a series of plans against all the possible risks to minimize the damage of the risk to the project when it happens.

Not only that, a project will also be planned well with great project management therefore a defined goal, scope and project timeline must be done before launching the project. With these, the project can be well keep tracked and preventing it from slowing down and completed before deadline. With good planning, the project will be properly scheduled and a rushing work with low quality can be avoided therefore the quality of the project can be ensured.

### B. Trending of IT Project Management

The labor market is characterized by the prevalence of short-term contracts or freelance work as opposed to permanent jobs nowadays. This phenomenon causing an IT project distributed to different groups of people and the cooperation between

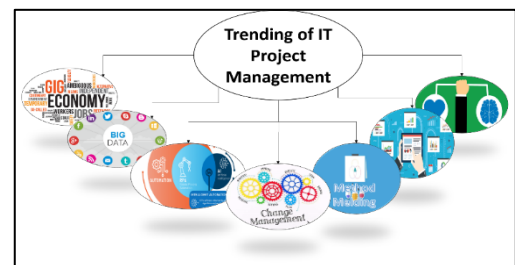


Figure 2: Trending of IT Project Management

multiple remote teams heavily rely on digital connections causing project management difficult to be conducted. Therefore, IT project management is important to ensure the project that can be done on time, people and task management can be performed seamlessly to smooth workflow.

Besides, data collection and analyzation are important in making crucial and accurate decision. Therefore, starting up a project strategically with planning to collect data to obtain the understanding require. IT project management is important in big data collection because it plays an important role in extracting information and transform the information into human language. This helps people have a clearer insight to reduce mistake occurrences during project development.

Apart from that, high-end AI is used to assist in prioritizing projects and allocating resources. Applying AI in resource management is efficient, however, the AI algorithms unable to perform project management tasks such as empathizing and actively listening. Therefore, human-based project management is important in filling up this shortcoming and maximizing usage of the calculation results in the project.

A project usually has a scheduled, however, the scheduled processes and time might not be followed properly by developer teams and there might exist processes that can be replaced to help streamline project. Therefore, project management is important in noting the spots worth changing and identifying the processes that are not being followed properly.

The increasing tendency of using method melding in project causing project management is important nowadays. Method melding is an act combining different methodologies in project management and apply these hybrid models to the current project. Therefore, project management is important to clearly know which processes are using which methodology to ensure project progression.

Using advanced project management tools and solutions has becoming popular in project management because these tools provide positive changes in project management. These tools help in project planning, scheduling and time tracking, communication and collaboration between people involved, budgets, deadlines, and progress tracking. Project management is important in maximizing the functions of these tools.

Besides, emotions of people involved in the project needed to be managed to avoid emotional activity among the team members. These emotional activities might jeopardize the project because it causes cooperation between people hard to be built even delay the project and downgrading project's quality. This shows that project management by human being is important because no AI algorithms can replace this function.

### III. RELEVANT IT CAREERS

Project management is important in many sectors including IT project. The table below shows the relevant IT careers related to project management and their average salary. [1]

IT Careers	Average Salary
IT Project Manager	\$96,000 - \$161,500
Network/Cloud Manager	\$100,500 - \$174,750
Software Product Manager	\$104,250 - \$177,000
Technical Services & Operations Manager	\$111,500 - \$190,750
Database Manager	\$114,500 - \$192,000
Technology Director	\$122,000 - \$206,000
Information Security Manager	\$124,250 - \$213,000

Table 1: Relevant IT Careers in Project Management and Their Salaries

### IV. REFLECTIONS

The table below recorded each member's reflection after attending this talk.

Member	Reflection
Tay Wei Jian	My dream regarding my program is to become a software developer. This talk helps me understanding the importance of project management in developing software. Managing a project is important to ensure its quality and timeliness. We need to schedule processes and control our emotion during a project development. To improve my potential in the industry, I should start using project management tools in my future assignments and studies. Besides, I should

	read more books about human interaction to help me acquire better communication skills.
Muhammad Faiq Haidar	My dream to take this course is to become a creative software developer. I learned how to manage IT project to make it more efficient. It is important to pay attention to small details in various aspects of software development. What I have learned from talk shows is to try new things and not be afraid of failing like creating unique features gained from my experiments. This encourages the development of the competitiveness of the creative industry and industrial product design because it has the potential to make a significant contribution to the national economy to the international economy.
Mohamed Yasser Elrefaey	My goal after getting my degree is starting my own software development team that can produce projects that could help and improve the ecosystem that we live in. Watching this talk made me see the beneficial effects of project management in software development. For project to be the most efficient and more valuable it needs to be managed correctly because it's an important aspect that is useful during the work on a project development. Working on understanding creative thinking and problem solving will be a big part of improving my potential for the industry.
Tee Jun Hong	My goal regarding to my program is to become an excellent developer in a gaming company to produce games or quality animation. After attending the talk, I have learned how to properly manage an IT project. Therefore, I can apply this method to complete an animation or game creating project perfectly. I should start to apply project management method to any assignment or report on my course to get myself more familiar with this method and do more research myself about programming and animation techniques to improve my potential and my skillset regarding this field.

Table 2: Member's Reflection after Attending the Talk

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### REFERENCES

- [1] "IT Project Manager," Accessed on: Dec. 11, 2020. [Online]. Available: <https://www.itcareerfinder.com/it-careers/it-project-manager-career-path.html>