

The Importance and Trending of IT Project Management

Omar Mokhtar Yohan¹, Muhammad Kasyfi Kamarul Hamidi¹, Afifa Jumana¹, Teoh Wei Jian¹, Rahim Rehnuma Tahsin¹, and Muhammad Aniq Aqil Azrai Fahmi¹

¹School of Computing, Faculty of Engineering, Universiti Teknologi Malaysia

Abstract—Project management is essential in the efficient management of projects, whether in university or work. This report will focus on IT project management. IT project management plays a big role when doing IT projects, and there have been new trends recently in IT project management, which will be discussed in detail in this report. Knowledge of IT project management will be useful for relevant careers.

Keywords—Project Management

I. INTRODUCTION

The title of this talk is “The Importance and Trending of IT Project Management” and was given by Mr. Mohd Khairul Reeza Ruslan, Head of Project Management Office Commerce Dot Com Sdn Bhd. The talk was held online using the Cisco Webex application due to the Covid-19 pandemic on the 1st of December 2020 from 10 a.m until 11 a.m.

II. IT PROJECT MANAGEMENT

A. The Importance of IT Project Management

Project management is crucial in everybody’s life. Every project has specific goals and usually has a time/cost limit. A few projects that contribute to a bigger target is called a Programme. Similarly, a few programs that contribute to one output is a Portfolio. Project management is applying knowledge, skills, tool, and techniques to project activities to meet the project requirements.

Prince 2 is a methodology of Project Management. It was developed by the United Kingdom government. There is also another methodology called PMP. It was by the United States of America. PMP is for the construction environment. At an early age, most projects were physical projects. In construction work, construction companies will need cement. If the supplier sends the cement one month earlier, the company does not have the right environment to store that.



Fig. 1. Project Management Process & Phases (linkedin.com).

Each project management has a different methodology. In Prince 2 they call it QMF(Quality Management Framework). Prince 2, you can tailor the process.

B. Trending in IT Project Management

- 1)Gig economy. A gig economy is jobs consisting of short-term contracts or freelance. Companies want to minimize costs because it will waste resources on the permanent workers’ salary if they do not have any work.
- 2)Big Data. Before starting a project, there is a need to understand the needs of the customer. Analyzing data for important insights is a key activity because a proper decision can be made with data.
- 3)AI can help calculate the best projects to do, efficiently schedule and assign resources in real-time. It can save cost and time to start a project.
- 4)Change management. It will take time before they can use the system. So, when the system goes live, people will be ready to be able to use it.
- 5)Method melding. In the past, people will use Agile or Waterfall software development process, but nowadays, the world starts to combine three of them to reduce the project’s cost and ensure that the project will be completed in time.
- 6)Advanced project management. People want to reduce the cost and time they spend on the project; the world has started to use an advanced tool for project planning, communication and collaboration, and progress tracking.
- 7)EQ will determine your success in your career and not IQ. IQ will help you to get hired. To maintain the output of

work, the control of emotion is needed. The EQ will increase the business value of “Soft Skills”.

III. RELEVANT IT CAREERS

IT Managers are essential in any organization. They're responsible for ensuring all the information system requirements in their company are fulfilled. A few years of experience in the management fields are sometimes required to be a senior role for managers. This job was usually as a supervisory when at a senior level [1].

Examples of careers are chief technology manager, client delivery manager, ICT coordinator, ICT project manager, ICT program director, ICT procurement officer, ICT resource officer, IT administrator, and IT project administrator[1].

IV. REFLECTIONS

- Omar Mokhtar Yohan. My goal is to be a successful software developer. This talk has increased my understanding of jobs related to IT projects, which will help fulfill my goal to work in that industry.
- Muhammad Kasyfi Kamarul Hamidi. My goal is to start a game development company. By attending this talk, I have learned how to manage projects. To further improve, I need to be proactive in handling projects .
- Afifa Jumana After attending this talk, I have gained some effective knowledge on project management and progress system related to IT.
- Teoh Wei Jian. My dream is to bring out software that benefits society. This talk has made me more

alert on time cost. I would like to plan and use my time with more meaningful improvement to achieve my goal.

- Rahim Rehnuma Tahsin. My goal is to start my own business in IT. I now understand the importance of project management. I need to apply what I've learned in future projects.
- Muhammad Aniq Aqil Azrai Fahmi. My dream is to create a solution for the company I work with. When I attended this talk is, I can apply his experience during my project. Lastly, I wanted to improve on how to control my emotion when making decision. Because we cannot think rationally when our emotions are unstable.

ACKNOWLEDGMENT

Firstly, all of us from Group, Digital Domain would like to thank Mr Mohd Khairul Reeza Ruslan for making time to give this beneficial talk on Project Management. Secondly, we would like to thank all the respected TIS lecturers for hosting the talk. We would especially like to thank our TIS section-06 lecturer Dr Muhamad Razib Bin Othman, for providing continuous help and support. We thank God for everything we have.

REFERENCES

- [1] Mallory, (2020). Information Technology Jobs Descriptions. [online] Available at: <https://mallory.com.au/information-technology-jobs-descriptions/> [Accessed 20 December, 2020].