The Importance and Trending of IT Project Management

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***Abstract*—Students nowadays need to be exposed more about their future jobs, especially in real life industries. A talk has been held towards the students about IT project management. In this report, the contents from the talk will be discussed. As an overview, IT project management is important for students in the future.**

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

1. INTRODUCTION

An industrial talk has been held on 1st December 2020 organized by Universiti Teknologi Malaysia (UTM). The time of the talk was on 10.00 am at app Webex. The title of the talk was The Importance and Trending of IT Project Management and it was presented by Mr. Khairul Reeza Ruslan. He is the Head of Project Management Office at Commerce Dot Com Sdn Bhd. There were lots of information shared to the students.

1. IT PROJECT MANAGEMENT
2. *The Importance of IT Project Management*

There are six importance of IT project management that we need to know. The first one is time, which is about how long does it take for the project to be done. Secondly, another important part is about cost. This helps us know on how we use our money wisely for the project. Other than that, the quality of the project is important as it will determine how well the project’s result will be. Scope is also one of the importance of IT project management. It defines how project will progress from time to time. Besides that, another important part of IT project management is about risk, where it discusses on whether the project will turn out to be good or otherwise. Last but not least, one of the importance of IT project management is about benefit. This will help us to achieve our main target for the project.

1. *Trending of IT Project Management*

There were lots of trends related to IT project management shared by Mr. Khairul. Firstly, the trend of shifting, globalized gig economy. Gig economy can be defined as short-term contracts or freelance work as opposed to permanent jobs. Nowadays, people prefer this trend of job rather than permanent job. This trend relies on digital and remote teams, as well as co-working arrangement.

Secondly, IT project management has great focus on data. This is because the current trend of project management needs to analyze all the data gathered to ensure that people can decide the process of the project from start to end. This shows that analyzing data is a key factor for almost every project.

Another trend shared by Mr. Khairul is the automation and AI. Based on the trend, people need to start collaborating with AI. As for example, AI helps to calculate the best project to take on. Thus, this trend helps project management to be carried out smoothly.

The importance of change management to project success

is also one of the trends of IT project management. As the project carried out, change management is applied to avoid any risk happened. Another reason is to ensure all people can perform the project well.

Another trend of IT project management is method melding. As we know, lots of projects are complicated and for that reason, the cost is high. Therefore, this method is used nowadays as it will reduce the cost and also makes the project easier.

The sixth trend is about the advanced project management tools and solutions. Before carry out project, we need to have schedule and time tracking, communication and collaboration, budget and deadlines and also progress tracking. These will help us ease in performing the project.

Lastly, it is about the impact of emotional intelligence (EQ). as mentioned by Mr. Khairul, EQ differs from IQ where IQ gets you hired while EQ gets you promoted. Therefore, in carrying project, we need to control our emotion to ensure the project is done without any error.

1. RELEVANT IT CAREERS

Based on the talk given by Mr. Khairul, there are lots of careers related to IT that apply project management into their job. Table 1 shows some IT careers that include project management.

TABLE 1

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| --- | --- | --- |
| **Field** | **Description** | **Job Title** |
| Cloud Computing Engineers | To define, design, build, and maintain systems and solutions leveraging systems and infrastructure. | Cloud Architect, Cloud Consultant, Cloud Product and Project Manager, Cloud Services Developer, Cloud Software and Network Engineer, Cloud System Administrator, Cloud System Engineer |
| Computer Network Specialists | To define, design, build, and maintain a variety of data communication networks and systems. | Computer and Information Research Scientist, Computer and Information Systems Manager, Computer Network Architect, Computer Systems Analyst, Computer Systems Manager, IT Analyst, IT Coordinator, Network Administrator, Network Architect, Network and Computer Systems Administrator, Network Engineer, Network Systems Administrator, Senior Network Architect, Senior Network Engineer, Senior Network System Administrator, Telecommunications Specialist |
| Computer Support Specialist | To help those organisation to evaluate whether the system work for most of the people and also help others for computer problems. | Customer Support Administrator, Customer Support Specialist, Desktop Support Manager, Desktop Support Specialist, Help Desk Specialist, Help Desk Technician, IT Support Manager, IT Support Specialist, IT Systems Administrator, Senior Support Specialist, Senior System Administrator, Support Specialist, Systems Administrator, Technical Specialist, Technical Support Engineer, Technical Support Specialist |
| Database Administrator | To store and organize data of companies or clients and prevent unauthorized user from getting this data. | Data Center Support Specialist, Data Quality Manager, Database Administrator, Senior Database Administrator |
| Information Technology Analysts | To design a technology for business wher they create solutions with data collected. | Application Support Analyst, Senior System Analyst, Systems Analyst, Systems Designer |
| Information Technology Leadership | Require strong technology backgrounds and superior management skills. They need to have experience in creating system that meet the requirement by the clients. | Chief Information Officer (CIO), Chief Technology Officer (CTO), Director of Technology, IT Director, IT Manager, Management Information Systems Director, Technical Operations Officer |
| Information Security Specialist | Help to defend the computer system and network as there is more and more computer security problem nowadays. | Information Security, Security Specialist, Senior Security Specialist |
| Software/Application Developer | For software developer, they need to run and test the programs which the application developer codes for the solution. | Application Developer, Applications Engineer, Associate Developer, Computer Programmer, Developer, Java Developer, Junior Software Engineer, .NET Developer, Programmer, Programmer Analyst, Senior Applications Engineer, Senior Programmer, Senior Programmer Analyst, Senior Software Engineer, Senior System Architect, Senior System Designer, Senior Systems Software Engineer, Software Architect, Software Developer, Software Engineer, Software Quality Assurance Analyst, System Architect, Systems Software Engineer |
| Web Developer | This job needs to create website for clients where they should be user-friendly to help the clients' needs. | Front End Developer, Senior Web Administrator, Senior Web Developer, Web Administrator, Web Developer, Webmaster |

1. REFLECTIONS

There are lots of information gathered from the talk. Here are reflections from each member.

* + Reflection from Siew Yu Xuan

In my opinion, with the course I study now which is software engineering, I will be manage to be a software engineer who can create a great software that benefits people. This talk had inspired me that software engineering course not only can doing software but I have a wide range of job titles to do with this course. Lastly, I think I should improve myself by learning more other skills beside what I am studying now so that I can have more experience on different things in this career.

* + Reflection from Muhammad Faiz Aiman bin Fakhrurrazi

My goal is to make sure that I am fully mastered in this course, which is software engineering. As from this talk, I learnt that skills that are not related to the course are also needed for my future purpose. Thus, I need encourage myself to learn and practice skills to become a better person or worker in the future.

* + Reflection from Amir Hanis bin Azman

Regarding to my course, I hope that I have full passionate on this program so that I can use my full knowledge and skills to create or give improvement in software systems. As from the talk, I realized that I need to manage teamwork project well and train my communication skills more because there are very important in a job lifestyle. To achieve this, I would expose myself to many parts in this industry and choose the best part that I have full passionate about it and to be more confident to communicate with others.

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