

IT Project Management

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Abstract— Project management (PM) is the application of expertise, skills, tools and strategies to execute tasks that fulfil project requirements. IT project management is the supervision of procedures and tasks related to IT projects. IT projects are those projects that deal with IT networks, database systems or computers.

Keywords— PM, application of expertise, fulfil requirements, IT PM, related to IT projects.

I. INTRODUCTION

We recently got the chance to participate in a talk hosted by Dr Goh Eg Su which is the Senior Lecturer in the School of Computing department of UTM. The talk was about “The Importance and Trending of IT Project Management”. The speaker’s name is Mohd Khairul Bin Reeza Ruslan. He is the Head of Project Management Office for the company Commerce Dot Com Sdn. Bhd. In his talk, he touched on topics related to PRINCE2 and MoP. He gave this talk on December 1st, 2020 at 10am in the morning through Cisco webex.

II. IT PROJECT MANAGEMENT

A. The Importance of IT Project Management

Project management is an integral part when running any project to ensure that it reaches the intended outcome. A project can be defined as a one-off scope of work defined by the time, cost, quality, scope, risk and benefit. A project is also temporary, unique, has goals, time and cost limit. When doing a project, it is not uncommon to need multiple different projects in order to make a single project possible. This process can be called as a programme which can be defined as a few projects that is contributing to a bigger target. When multiple programmes are done for one big project, it is called a portfolio. Project management can be defined as the application of knowledge, skills, tool and techniques towards project activities to meet the project requirements. In order to make sure that a project runs smoothly, a few methodologies of project management has been created which are Prince 2 and MoP. These methodologies are very important for certain sectors such as banking and medical sectors where a single mistake will make a huge impact. Therefore, it will ensure that the project will be managed properly and avoid major issues that will affect the expected outcome. In every project, there must be a process to it which includes starting up, initiation or planning, execution, Monitor and control, and closing. However, since every project are unique, different projects will have its own methods. Therefore, we need to make sure that the process is tailored to the project that are being done. Depending on the cost of the project, the processes must be scaled down to the bare minimum that is required for the project management to be applied from the starting point to the closing point to prevent any waste of time and cost.

B. Trending of IT Project Management

This is the second part of the talk where the speaker speaks about the emerging trends in IT project management. There are total of 7 trends he discussed in the talk. Firstly, “Gig economy” means a labor market characterized by the prevalence of short-term contracts or freelance work as opposed to permanent jobs. In the industry nowadays, many freelance people do short-term and multiple projects. The benefit of gig economy is freelance employee will earn larger income because of it’s high risk and expectations and the project cost will reduce. Secondly, companies must focus greater on collect and analyze big data for important insight. Insight is the ability to understand customer needs without the customers speaking it out. A collection of perfect data will result to good and accurate decisions in a project. Thirdly, development of automation and artificial intelligence (AI) in the industry. The benefits are Ai-powered bots can help to calculate the best projects to take on by a company and quickly and efficiently schedule a project time. AI able to assign the best resources needed for a project in a short-term. Additionally, change management consist of mitigating change, reducing change, embracing change or accelerating change. People in a project should adapt and adjust their processes and workflows according to the situations. Furthermore, most company are using method melding such as waterfall, agile or scrum in project management. This method will help to get intended objective which is to lower the cost of the project and also ensure the project completed on time. Sixth trend is the usage of advanced project management tools. Advanced Tools are used commonly for project planning, scheduling and communication such as help to collaborate and communicate employee from multiple countries in a project. Lastly, IQ will get someone hired but EQ or emotional intelligence will determine that person’s success and failures. People in a project need to control their emotions and fail to do so will impact the output of the project because they fail to view the situation realistically and objectively.

III. RELEVANT IT CAREERS

1. Project Manager - Leading role in planning phase, executing, monitoring and closing phases of projects.
2. System Analyst - Analysis and design solutions to problems using information technology.
3. IT Service Manager - Design projects in improving IT systems, processes, and operations for business.
4. Project Director - Supervising many projects where oversee project manager to ensure the work is completed on time, within the budget, and keeping the high standard and quality.

Team Member	Reflections
Muqrisya	I gained knowledge about project management where I think , to become a project manager, there are a lot of experiences u have to go through first. From the talk given, the speaker had several different specific jobs. Not only that, to become a project manager, your academic result doesnt determine how well or suitable you are in handling project. Thus, what makes you a successful person is you have to gain experiences and be mature.
Irsyad	As of now, I honestly don't think I can be a great leader, let alone be a project manager. For me, I perceive myself to have a lower Emotional Intelligence (EQ). So, if I want to be a project manager one day, I have to work hard on controlling my emotions, working up my social skills to express myself with others better while also gaining experience by learning from mistakes to get used to the field of my project
Faizul	My goal for this course is to gain as much knowledge as possible regarding IT that will help me in my daily life and contribute to the country regarding IT after graduating. This talk gave me a lot of exposure regarding how an IT project is run in the industry and helped me to find what I need to improve on for me to contribute to the industry. Some of the aspects that I have found that needs to be improved are my social skills and confidence when interacting with other people.
Shugen	My goal for this course is to improvise my knowledge on technology and information system. This talk has taught me the importance of project management and how to handle a project in the future in my career. This has helped me to achieve my goal which is to gain knowledge of technology and information system. From this talk, I have realized that there are many platforms have changed in the industry and so I have to improvise myself not only hard skills but also my soft skills so that I can adapt myself according to the evolving industry.

First and foremost, we would like to express our special gratitude towards our lecturer of Technology Information System which is Dr Goh Eg Su, giving clear instructions and assisting us in writing this report.

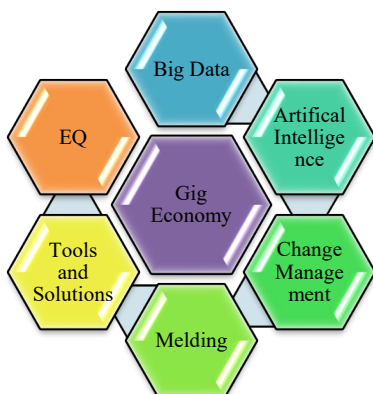
Furthermore, we would like to thank Dr Goh Eg Su again for moderating the talk ‘The Importance and Trending of IT Project Management’, as what we were expecting, the speaker was Mr Mohd Khairul Reeza Ruslan, the Head of Project Management Office. Throughout the talk, Mr Mohd Khairul Reeza Ruslan successfully providing lots of useful information to the audience including his journey as a successful project manager. From the well given informations, the audience have gain new knowledge about project management. Last but not least, special thanks to the groupmates including me for doing our best even though we had hard times going through our problems during writing this report.

REFERENCES

- [1] Ben Aston. (2020, May 15). 5 Emerging Project Management Trends of 2020. Retrieved from <https://thedigitalprojectmanager.com/project-management-trends/>
- [2] Mohd Khairul Reeza Ruslan. (2020, December 1). *Industrial Talk-The Importance and Trending of IT Project Management* [Webinar]. Universiti Teknologi Malaysia (UTM). <https://utm.webex.com/recording/service/sites/utm/recording/1f7c1229a78448648c63a11cd72bd8ba/playback>



Importance of Project Management



Trending of IT Project Management