The Importance And Trending Of IT Project Management

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Abstract – **This electronic document is about the importance of It Project Management which are mostly learned through the conference with Mohd Khairul Reeza Ruslan, Head of Project Management Office Commerce Dot Com Sdn Bhd. We talk about a little bit of the industry and how can we be able to enter the industry after graduation and also manage our emotion properly.**

Keywords – IT management, Industry, Project Management

I. INTRODUCTON

Nowadays Information technologies is the must in the society because all thing happen in our lives related to the information technologies. All people use the IT for communication and to interact with other people digitally. People just need to open their media social to communicate or to send a message to their friend. Besides they can know the latest news all around the world. Nevertheless, is all people concern about the importance of IT in their lives. Based on the recently talk people can realize the importance and the trending of the IT. The talk had been organized by school of computer in UTM and it been held using virtual meeting (Cisco Webex). The talk title is The Importance and Trending of IT and it been held in 1 December 2020/Tuesday at 10:00AM until 11:00AM. The speaker for the talk is from Mohd Khairul Reeza Ruslan which a Head of Project Management Office in Commerce Dot Com Sdn.Bhd.

II. IT PROJECT MANAGEMENT

A. The Importance of IT Project Management

Due to rapid development in globalization, project management is expected to increase in the near future. Project management is the defining factor for a company's success and determines potential risk in order to bring timely solutions. Organizations should make it a point to manage complex information in order to architect an efficient project management system. In the nutshell, the team should learn from the experiences and capture in the repository to maintain the overall corporate assets. Without effective project management, teams might start working on a project without even clearly defining the project plan. When team members understand the focus and objectives, a project progresses without any confusion or chaos. The half of the battle is already won if you begin a project the right way. Oftentimes, we begin a project with the best strategy but fail to recognize potential risks that could hamper the overall progress of a project. With effective project management and the right project manager, one can always stay a step ahead from unwanted risks and threats.

B. Trending of IT Project Management

1) Gig economy

Gig economy is the job in the short-term contract (freelance job) as oppose to permanent jobs. Nowadays, people start their career as a contract job at the beginning and a permanent job later in the future. It shown that the government has started the first step before moving to the gig economy. In the IT industry, gig economy is prevalent. We can see people do freelance where they do work for the short-term project but multiple of projects at same period of the time. In a company, they always want to minimize or control the cost management because not every project requires a large amount of people working at the same time. Some of the workers might do not have anything to do for the company but the company cannot simply remove the workers. This is why the company started to apply gig economy where they just employed a short-term worker, but the payment is highly profitable since the expectation is high as well.

2) Big data

Nowadays, in order to start a project, we need to understand the customers and analyze the importance of insights. Insights will give us understanding without the customers tell us directly what they need. Data is very important because it will allow us to make a good and accurate decision. For example, a big project which involve 100 of people consider data is the crucial thing in the project. One mistake can be made due to the less data is available which resulting cost of million money

3) Artificial intelligence

In a real world, there are many tools that can help us from calculating the best project that we have to do, effectively scheduling the project time and assisting us in the project. All we need in the real world is the resources. The system can match personal to the project that suit them using the AI which can save time to select people and promote the efficiency and effectiveness where it gives best people for the best project. Everyone has their own specific unique advantages and skill sets because human cannot expert in every aspects and areas. AI is the best to profile people to what is the best for them. In

Malaysia, usually project manager will enroll people within of the company which take weeks to months but if the company do not have the availability of the people, they have to enroll people from the market and this action takes around two to three months to get them in.

4) Change management

At the end of the project, we will earn or implement something from the project. For example, implement an IT system but the people that will use the system are not ready with the system in their daily basis. As a result, nobody will know how to do the system. It will take time for people to really be able to implement the systems because of the unwell plan. The element of change management needs to be kicked in from the day of starting a project.

5) Melding

Reducing cost as early as possible is crucial things to do when the project getting more complex. In the past, we have to choose either waterfall or agile and scrum process. However, people will start to combine these methods (agile, waterfall and hybrid) together into one project to achieve the intended objective to get the cost of project as low as possible and on time

6) Tools and solution

To maintain the duration allocating to do a project, we need tools to assist us in project planning and communication. Communication and collaboration are very important tools due to the pandemic covid-19, people has started to use online tools. This is nothing new to the IT industry because it has existing in the market.

7) Emotional quotation (EQ)

EQ will determine whether you will be successful or not in your career. The promotion will make you climb up the stair of success in the career. In real life, people will look up to project manager as a leader of the project. Project manager need to control emotion in order to lead the team. Smart people will look stupid when they cannot control their anger. For example, there are issues regarding the project in a meeting such as project has been delayed and project exceed the cost allocated. Everyone is angry to each other and unexpected action occur due to the lack of emotion control.

III. RELEVANT IT CAREERS

Firstly, we have cloud computing engineers that define, design, build, and maintain systems and solutions leveraging systems. They are basically the backbone of companies such as Amazon Web Services (AWS) and Microsoft Azure.
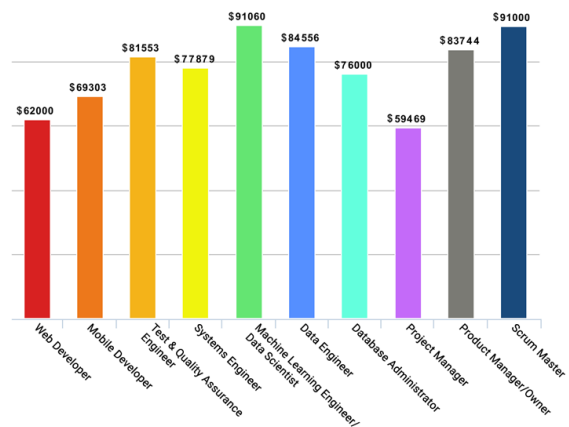
Secondly, we have computer network specialists that are in charge of defining, designing, building, and maintaining a variety of data communication networks and systems.

Thirdly, we have the commonly known data scientist which creates machine-based learning tools for use by the tech company, such as recommendation engines or expanded artificial intelligence (A.I.) functions. Their salary can go up to RM 456,575.13 annually.

Software engineers use knowledge of engineering principles and programming languages to design, develop, and install software and systems. Their salary can go up to RM 371,911.05 annually. All the jobs above and many more require the same basic skill set which are proficiency in programming languages and coding.

Software Engineering Median Salary by Specialty
in the United States

https://bit.ly/37DBUVO   *Image by: CodingNomads   Data Source: Payscale.com*

IV. REFLECTIONS

- Muhammad Harun bin Marzuki(Leader)

Out of All the things that were presented in the conference, I think the biggest take is most likely emotion We have to be strong in order to become someone useful in the industry and always find a balance in our life in order to have a stable mental state. With stable emotions, our productivity would improve by a big margin

- Amirul Iman bin Ahmad Keflee

This talk also shows the benefits of the IT to myself so I can use the IT for good purpose. This will make me more interesting to know more about IT and follow up it achievement so I can become a better engineer and can teach others people about the useful of IT.

- Syamimi Amirah binti Zamros

This talk has made me realized is not easy to become a leader unless I know how to control my emotion. Everything needs to be planned well before starting the project. I think this statement made me focus of planning part where unwell plan can cause problem in the future. I want to improve my weakness and strengthen my power in order to improve my chances in the industry.

- Muhammad Muizzuddin bin Kamarozaman

There are a lot of importance of IT project Management that I learned and new knowledge in my life.In project management we also understanding various objectives and project deliverables. Furthermore, the application of project management is very risky because we need the time risk, plans, quality and organization and without this proper management it will impacted the project

- Aum Jeevan A/L Aum Nirangkar

I have truly been blessed to have attended such a beautiful talk by an excellent man. The experience sharing and knowledge sharing by the speaker has truly inspired me

to work harder towards my goal of graduating as a computer science student. The challenge of being the best is always tough but with motivation sessions like this, the road becomes clearer.

V. ACKNOWLEDGEMENT

VI. REFERENCES

1. https://www.digitaltrends.com/business/best-tech-jobs/