IT Project Management

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Abstract—**IT Project Management is so important for people when they are doing a project because is smoothen and ease the management of the project load. Basically, project is something that takes time to be done. So, a project will be successful if it is well planned and the person in charge has leadership qualification. By doing project, students have chance to be employed. Sufficient amount of data so important to move the project to right pathway. Other than that, management of risk is an important requirement for project management. Moreover, system management also so important for project management. The trending of IT management is such as gig economy which is a short-term commitment kind of job. Secondly, the helper to make great decision which is big data also a trending. Besides, Artificial Intelligence becomes a trend nowadays since it is saving time. Management of change also a trend in IT project management because a company needs to adapt to the changes. Method melding also a rising trend to save cost and time. Finally, emotional intelligence is note taking nowadays to see how project manager controls their emotions. As a conclusion, we have learned what is qualification we must have to manage a project and how to manage IT projects in an intelligent way.**

Keywords—employed, data, management of risk, system management, gig economy, big data, Artificial Intelligence, management of change, method melding, emotional intelligence

I. INTRODUCTION

On 1st December 2020, an industrial talk was held virtually for all Technology and Information Systems subject section 01 to section 11 students. The title of the talk is The Importance and Trending of IT Project Management and it held from 10.00 AM to 11.00 AM. The industrial talk was presented by Mohd Khairul Reeza Ruslan who is the Head of Project Management Office Commerce Dot Com Sdn Bhd. He is an Experienced IT Project Manager Leader with obtaining professional certificate in management of portfolio and project in control environment, experience in IBM Mainframe & AS/400 Software Development and IT Service Management. In his talk, he shared information about project management. Project management is all about how we manage a project with time, cost, quality, scope, risk and benefit. In the talk, he well explained the crucial part of IT Project Management and what are the trending. This gives a clear picture to the students about IT Project Management.

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II. IT PROJECT MANAGEMENT

A. The Importance of IT Project Management

Project management is crucial for everybody's life. For example, undergraduate students are undergoing a project which is their degree programme. The importance of this project is students can be employed. IT project management is the process of applying knowledge, skills and technique that have learnt before to obtain intended outcome. There is some importance of IT project management. As a project manager, we should know the expectations of projects and have to give the instruction to members on how to design or build a system accurately.

Moreover, data is also essential in big projects which involve many people. Data is the best in making accurate decision. But if there is any mistake in decision because of fewer data available, it can cost the project millions of ringgit. Hence, we have to know it is possible that risk might emerge. The risk management is important for IT project management. Lastly, in IT project management we have to manage the system well and make sure that the system delivered in good quality.

B. Trending of IT Project Management

Firstly, gig economy is short-term job. For older people, they prefer stability and long-term jobs. The market has changed due to cost factor. Nowadays, even doctors are now contracted jobs for government sector. Government has employed people as contract staffs. In the older days, companies hire people for permanent jobs. If the project needs five years to complete, and after five years, two-thirds of employees may have nothing to do, as companies do not get projects easily nowadays. A quarter of employees may still be involved in system maintenance, but others have nothing to do. That is why gig economy is trending.

Secondly, big data is a trend in project management. When we start a new project, we need to understand the needs of customers and analyze data for important insight. Big data is important as it helps us to make good decisions. If a bad decision is made due to lack of data, it may cost a project million of money, which is unacceptable.

Thirdly, Artificial Intelligence is another trend in project management. We will not be replaced by a limbless drone anytime soon, but we have to learn to play nice with Artificial Intelligence. Artificial Intelligence helps the manager to select the best employees for a project. It improves efficiency and time of a manager. Big companies such as Google and Oracle have been using it because it saves time and cost to embark a

Lastly, emotional intelligence is a trend in project management. Intelligence quotient helps us to get hired but emotional intelligence will get us to get promoted. A project manager's job is to lead a team to complete a project. If a project manager cannot control his emotion, he cannot lead his team to be successful. It is important to control emotion even at the young age, as it will impact our actions and the output. Out of control emotions make smart people stupid.
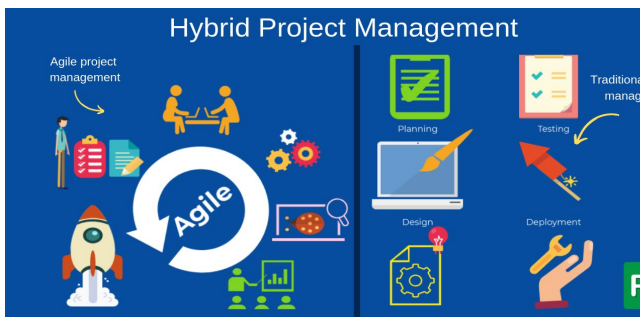
Figure 1: Hybrid Project Management

Source: Adapted from [1]

III. RELEVANT IT CAREERS

In order to make yourself more prepared for project management, there are things we have to prepare. An example is taking online courses or training. this will improve our abilities in the world of work. You have to be patient when applying for work in a management project because, when you start, don't get your hopes up for high pay. Examples of relevant work in the management project IT Project Manager, Network/Cloud Manager, Software Product Manager, Technical Services & Operations Manager, Database Manager, Technology Director, Information Security Manager, Chief Technology Officer (CTO) and Chief Information Officer (CIO)

TABLE I

Name	Reflection		
	What is your goal/dream with regard to your course/program?	**How does this talk impact on your goal/dream with regard to your program?**	**What is the action/improvement/plan necessary for you to improve your potential in the industry?**
Ng De Ken	My goal with regard to my course is that I hope I can make the Internet safer. When I was young, I made my computer caught malwares, so I hope I can get a career that helps to make computer security better. I also hope that this course can prepare me well as future employee.	This talk impacts on my goal with regard to my program by letting me know more about management. This may improve my management skill when doing projects. I also have learnt about emotional intelligence which is very important to achieve my goal so that I do not screw up.	To improve my potential in the industry, I plan to do more exercises and projects about my courses. I also will try to practise design thinking more to improve the quality of my products. I will try to be more active to improve my soft skills too.
Kabilashwaran A/L Selvarajan	My goal with regard to my program is to find ways to tighten and enhance the security of the electronic devices even more in online and offline. This allows me to not worry about my security and privacy concern while using my device	This talk impact on my goal to my program by giving me knowledge and idea on how to manage a project and all the steps I should take. So, in future when I lead a project, I will know how to smartly arrange and execute a project to make it successful	In order to improve my potential in the industry, I must do more research about a specific task that given to me so that I can properly complete it. I also must be always socializing with the workers to have a good impression and also improve my braveness. Finally, I must generate more ideas and also share my thoughts to express myself in the industry.
Muhammad mad	My goal regarding my course is I hope that in	This talk impact in my goal regarding	In improving my preparation for
Khalif Arbai	learning and after I finish my program, I can create a system or software that can make the lives of many people easier and do not forget to also create secure system security so that it is not easily penetrated	to my program. Because it improves my knowledge about project management and the skill I need in order to more ready when applying for a job.	entering the world of work, I need to prepare soft skills and hard skills. not only that, I need to increase my knowledge about the courses I am currently studying.
Pavunraj A/L Sivakumar	After finishing the degree programme, I wish to further my studies in master class. It is because I need to gain more knowledge and skills about cybersecurity course to become a professional engineer. Not only that the information that I gained will help me to solve the problem occurred. After that, I will try to get a job in any industry or company for gaining experience.	From the talk given, I learned a lssot of information regarding projects management. As a student, I must focus to complete the project which is my degree program on time. Controlling emotions is also important even in young age, if they cannot handle the emotions, it will disturb their concentration in studies.	Last but not least, there are some actions that I should consider to accomplish my project. Firstly, I must take good care of my health for four years so that I can focus fully on my studies. Finally, I should control my emotions like anger because extreme anger will make smart people look stupid.

REFERENCES

[1] Kashyap. V, Project Management Trends (2020): What does the Future Look Like [Online]. Available: https://www.proofhub.com/articles/project-management-trends. [Accessed Dec.15, 2020].