

The Importance and Trending in IT Project Management

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II. IT PROJECT MANAGEMENT

A. The Importance of IT Project Management

Project management is very important to ensure the project assigned to a company is done on time as requested by the client. In a project, there will always be a potential risk, that is why project management is very important in order to identify, analyze, handle and solve the risks. "In 2018, according to PMI, 9.9% of every dollar invested was wasted due to poor project performance- that is 99% million for every \$1 billion invested." [3]

Project management is important in defining roles and responsibilities for every individuals or groups in the project. Moreover, project management can also be done in stages so that no task is skipped in order to finish the project. Lastly, an outstanding project management will do every step from starting up, initiation and planning, execution, monitor and control, closing the project in a controlled and efficient way so that we can achieve a superior outcome.

B. Trending of IT Project Management



Figure 1 : What is Project ?

TABLE I. BEHAVIOUR OF PROJECT MANAGEMENT

Behaviors	Descriptions
Time	It has to pay your time to finish
Quality	It has quality requirement made by the stakeholder
Cost	It has to pay a fund to finish
Scope	Boundary or steps in order to complete the project
Risk	During the period, there are always changes, some within your control and others outside of it.
Benefit	After completing the project, benefits will be earned

Fields	Descriptions	
	Explanations	Benefits
Shifting, Globalized, Gig Economy	A labor market made by the prevalence of short-term contract or freelance work opposed to permanent jobs	- To control cost - Higher reward
Greater Focus on Data (BIG Data)	- Data Analytics and numbers - Understanding customers need to detailing risk, analyze data for important insight	- To make accurate decision - To reduce risk
Artificial Intelligence and Automation	AI- powered bots help to calculate best project to take on	Make task more efficient.
Importance of Change Management to Project Success	- Be flexible to blend into a community - Mitigating change and reducing change	- Increase adaptability in every condition - Able to be calm in decision making

Method Melding	Combining project management methodologies can create a unique methodology that is bespoke to the organization	Make your project successful team
Advanced Project Management tools and solution	Technique such as progress tracking, communicating, collaborating, project planning, scheduling and time tracking	Get job done before deadline

III. RELEVANT IT CAREERS

Based on the talk, the speaker highlighted that project management is a very important aspect in handling any project. He pointed out some relevant careers that can be related to project management even in IT fields such as the project manager. A project manager is the person in charge in making sure the planning, organizing and completing the project within time, on budget, and scope given. The project manager holds the responsibility of handling the project process which are starting up, planning, execution, monitor and control, and closing. These are why every project needs at least one project manager or more to handle the project management even in IT fields.

REFLECTIONS

- Reflection Member 1. (Afikah)

My goal is to be a software designer who can design all the architectural code of designs in any form that is convenient. This talk makes me to become persistent based on the behavior of project management so I could be discipline. My action is to practice mix my work and time and hope be a top employee in the company.

- Reflection Member 2. (Ethan)

I hope to be a software engineer who can contribute to the community based on the needs with my skills in the future. The talk has motivated me in the future and successfully convince me that there will be a post for me as the speaker is major in programming, however turns to be a head of project management now. The best plan is to practice self-discipline, always be prepared of any changes and determined in the original intention. Lastly, I need to be energetical to participate any event related to the field to have additional knowledge and experiences.

- Reflection Member 3. (Nazran)

My dream is to become a holistic software engineer. This industrial talk inspires me to have a good management skill and work hard in order to obtain and reach my goals in the near future. For the time being, I can improve by earning more knowledge regarding my course so that I can become an all-rounder student that hopefully can benefit the community one day.

- Reflection Member 4. (Megat)

I hope this course will help me prepare for career that will be focused on technology as creatively produce work and effectively communicate and collaborate with others will be essential to survive the 21st century workplace. This talk has made me realized it is to improve my etiquette as well as my intelligence in order to be successful in my career. My plan is to gain knowledge to emphasize my credibility as a young graduate to be able to use technology efficiently to get work done.

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REFERENCES

- 1.) Philmlee, D. (2020, July 17). *the answer company THOMSON REUTERS*. Retrieved from <https://www.legalexecutiveinstitute.com/practice-innovations-july-2020-project-management/>
- 2.) Project Management Institute. (n.d.). Retrieved from <https://www.pmi.org/about/learn-about-pmi/what-is-project-management>
- 3.) Team, L. C. (n.d.). *Lucidchart*. Retrieved from <https://www.lucidchart.com/blog/why-is-project-management-important>