The Importance and Trending of IT Project Management

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*Abstract*—The project management is important in almost every profession and work. It is extremely important when it comes to the time factor as being faster or slower than expected can cause trouble and loss of money. Besides, it determines the value of a portfolio or project to adjust the resources so as to maximize the benefit. The trending of project management includes many points that need to be highlighted. For example, globalized gig economy, focus on data (BiG Data), automation and artificial intelligence, importance of change management to project success, method melding, advanced project management tools and solutions and the impact of emotional intelligence (EQ). It is beneficial if we start to practice some of the trends in university especially when it comes to the soft skills as in reality, studying in university is similar as a project. For the careers that are related to IT mentioned by the speaker is a tester, programmer, developer, business analyst, system analyst and project manager.

Keywords—time factor, value, gig economy, BiG data, AI, change management, melding, tools and solution, EQ

# Introduction

The purpose of this paper is to gain an understanding of project management and to give a brief overview of the methodology that underpins most formally run projects. Many organizations do not employ full time Project Managers and it is common to pull together a project team to address a specific need. While most people are not formally skilled in project methodology, taking a role in a project team can be an excellent learning opportunity and can enhance a person's career profile.

# IT project Management

# The Importance of IT Management

1. Maximizes resources

Resources, whether financial or human, are expensive. By enforcing project management such as project tracking and risk management, all resources are used efficiently and economically.

1. Controls cost

Some projects can cost a significant amount of money. So, controlling the cost is essential. Using project management strategies can greatly reduce the risk of budget overruns.

1. The Trending of IT Management
2. A closer connection between projects and strategy

Project managers is essential to understand the relationship between [project, program, and portfolio management](https://www.northeastern.edu/graduate/blog/project-management-vs-portfolio-management-vs-program-management/). Doing so will allow us to see the relation of individual projects and to overarching strategic goals, which can help us make smarter decisions for the organization.

1. Greater reliance on digital and remote teams

Remote work [offers many benefits](https://www.forbes.com/sites/amarhussaineurope/2019/03/29/4-reasons-why-a-remote-workforce-is-better-for-business/#410555301a64) including increased flexibility, which can help an organization to retain top talent from all over the world.

# RELEVANT IT CAREERS

The careers mentioned by the speaker are tester, programmer, developer, business analyst, system analyst and project manager. In fact, there is a lot of careers which related to IT. For instance, programmer, computer scientist, computer system analyst, database administrator, data scientist engineer, graphic designer, hardware engineer, desk technician, IT security specialist, mobile app developer, network administrator, network architect, robotics engineer, software engineer, user interface developer, video game designer and web developer

## Figures and Tables

Table I

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| NO. | Project Management Trending | | | |
| Trend | Examples | | |
| 1 | *Gig Economy* | *Short-term contracts* | *Work at home (W@Home)* | *Time management* |
| 2 | *Big Data* | *Analyse all data* | *Analyse risk* | *Understand market demand* |
| 3 | *Artificial Intelligence (AI)* | *Change of technology* | *Analyse optimal market* | *Cost efficient* |
| 4 | *Change Management* | *Flexible to workload* | *Accept changes* | *Adapt to changes* |
| 5 | *Melding* | *Think outside the box* | *Try another way* | *Be agile* |
| 6 | *Tools and Solutions* | *Schedule workload* | *Teamwork* | *Alert of deadline and progress* |
| 7 | *Emotional Intelligence (EQ)* | *IQ for being hired* | *EQ for promotion* | *Importance of Soft Skills* |

Table I is the project management trending that have been mentioned by the talker.

IV. REFLECTIONS

Reflection member1. (Cha Zhi Ye)

My dream is to invent something unique and unexpected from the others. This industrial talk which is about project management has given the information regarding the trends and importance of it. Therefore, I have learnt that to achieve my goals, I must plan carefully and be flexible to face sudden problem. It is important to gather the information before I start to think about my plan. In order to prepare myself to become a project manager, I must experience the other relevant careers myself so that I can plan the project properly. Besides, I should learn to be more sociable as it is impossible to reach my goal without others’ help.

Reflection member2. (Jonathan Ting Moi Yao)

A good management in a company is the key for the company to succeed. In the previous industrial talk, it was about project management and what are the trend for that management to succeed in their projects. To me, the most important thing is to be on the same page. Once everyone has the same goal, things can be achieved easily because everyone can work together. Aside from that, that company must analyze the market demand. For a company to succeed in business, it must know what do the people wanted or what will the people want. Other than that, one company also needs to think about the risk of investing one project if it would be worth it. A good example of an entrepreneur is the late Steve Jobs, CEO of Apple Inc. He launched the iPhone (1st gen), not many people wanted a touchscreen computer slash iPod which can dial numbers and surf the internet. After the launch, it gained fame and smartphones were beginning to take the market which superseded the older phones such as Nokia 3310. Lastly, to succeed, we also need to be brave enough to take the first step and try to think outside the box.

Reflection member3. (Yu Kok Yong)

“Operations keeps the lights on, strategy provides a light at the end of the tunnel, but project management is the train engine that moves the organization forward.” This quote by Joy Gumz stated that the project management is the most significant process for succeeding an exemplary project. In the industrial talk 2, it discussed about the detailed information of project management. Obviously, knowing about the management clearly is able to smoothen our process of a project, every perfect project must have a great project management. Thence, I have already learned that before I implement a project, I should have a sufficient preparation at first such as gather all information and ideas that needed for the project, also take the attention of these important roots of project which are time, cost, quality, scope, risk and benefit to ensure the project can complete with my expected target or goal.

Reflection member4. (Lee Wan Fu)

This industrial talk which is about project management has given the information regarding the importance and trends of it. Therefore, I can say that the gathered idea about the project management have ensured how I can proceed towards a project and how it would be absolutely essential for presenting a reflection of the learning throughout the course. I believe that the success of a project is ensured by the application of appropriate project approaches and the proper ethical conducts that would ensure that the project is formulating the best practices, utilized the appropriate resources and at the same time made sure that the risk and changes required to be managed are handled well.

##### Acknowledgment *(Heading 5)*

We would like to express our special thanks of gratitude to our lecturer Dr. Johanna Binti Ahmad who gave us the golden opportunity to do this wonderful project on the topic The Importance and Trending of IT Project Management, which also helped us in doing a lot of Industrial Talk and we came to know about so many new things. Secondly, we would also like to thank our parents and friends who helped us a lot in finishing this project within the limited time. We are making this project not only for marks but to also increase our knowledge.

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