

# The importance and trending of IT project management

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**Abstract** – This industrial talk is about the significances, the upcoming trends and the prospects in project management. With a view to achieving the requirements in a project, a project management is of critical importance. It is the application of knowledge, skills, tool and techniques to project activities. For instance, Prince 2 – A methodology developed by UK Government in executing quality project management. Besides, the speaker has also provided the key procedures in project management. At the end, the speaker mentioned about some characteristics that must be equipped by a project manager to complete a project in the real workplace.

*Keywords* – project management, importance of emotional intelligence

## I. INTRODUCTION

On December 1, 2020, an industrial talk themed “Importance and Trends of IT Project Management” was held via Cisco Webex Meetings from 10:00 a.m. to 11:00 a.m. This event invited Mr. Mohd Khairul Reeza Ruslan (Head of Project Management Office, Commerce Dot Com Sdn Bhd) as the speaker for the talk. The event was organized by Technology and Information Systems (SECP1513), School of Computing, UTM and moderated by Dr. Goh Eg Su (Senior Lecturer School of Computing, UTM). This event is the second industrial talk for students who take Technology and Information Systems course and are required to attend the talk.

## II. IT PROJECT MANAGEMENT

### A. The Importance of IT Project Management

There are six components that should be concerned in a project, namely time, cost, quality, scope, risk and benefit. It is fundamental if a project manager wants to attain the desired outcome of a project. A project management will thoroughly affect the project’s process. With a project management, one can complete a project earlier than the scheduled time. Besides, in the execution part, we can keep track of the scopes of a project. As for monitoring and controlling the project, the cost for a project can be reduced. It is because we could prevent non-essential expenses on modifying the mistakes in a project. Without mistakes, the quality of a project can be ensured. Furthermore, with a project management, we could do a prior analysis on the potential risk in progressing the

project. Thus, our expected benefits from the project could be maintained in the closing of a project.

### B. Trending of IT Project Management

The trending of IT project management are listed out in the following table.

TABLE 2 Trends in Project Management

1. Shifting, Gig Economy Globalized	<ul style="list-style-type: none"><li>• A labor market marked by the proliferation of short-term or freelance employment contracts as opposed to permanent employment.</li><li>• Greater reliance (e.g. W@Home) on digital and remote teams and co-working arrangements</li><li>• Time, staff, and task management; to keep work going smoothly; teams are dedicated to more projects than just ours in various time zones, different continents, and sometimes.</li></ul>
2. Greater Data Focus (BIG Data)	<ul style="list-style-type: none"><li>• Analytics and numbers for data</li><li>• Analyzing data for valuable insight is a crucial practice in almost every development project, from recognizing consumer expectations to detailing risks.</li></ul>
3. Artificial Intelligence and Automation	<ul style="list-style-type: none"><li>• You're not going to be replaced by a limless drone anytime soon, so you'd better learn to play nice with AI.</li><li>• Project Manager for Digital (Constantly Changing Digital Technologies)</li><li>• AI-powered bots can assist in calculating the best tasks to take on.</li><li>• AI can plan and distribute resources in real-time easily and effectively.</li></ul>
4. Importance of Change Management to the performance of projects	<ul style="list-style-type: none"><li>• Keep flexible: bending over backwards is a regular practice in project management</li></ul>

<ul style="list-style-type: none"> <li>• Shift prevention, change elimination, change embrace, or change acceleration</li> <li>• Adjust and change their practices, workflows, and skillst</li> </ul>
<p>5. Melding process</p> <ul style="list-style-type: none"> <li>• A mocktail with a hint of Agile and a drizzle of Scrum, complete with a spritz of Waterfall, please.</li> </ul>
<p>6. Advanced instruments for project management and solutions</p> <ul style="list-style-type: none"> <li>• Planning of the project; Scheduling and time monitoring</li> <li>• Coordination and cooperation</li> <li>• Budgets and deadlines</li> <li>• Progress monitoring</li> </ul>
<p>7. The Emotional Intelligence Effect (EQ)</p> <ul style="list-style-type: none"> <li>• IQ get you hired</li> <li>• EQ get you promoted</li> <li>• Increasing commercial value of soft skills</li> </ul>

### III. RELEVANT IT CAREERS

The relevant careers in IT project management are as shown in Table 2.

TABLE 2 LIST TABLE

IT Careers	
Job Scopes	Job Titles
1. Cloud Computing Engineers	Cloud Project Manager Cloud Consultant
2. Computer Network Specialists	Computer Systems Analyst IT Analyst Computer Network Architect
3. Computer Support Specialist	IT Support Specialist
4. Information Technology Analysts	Systems Analyst
5. Database Administrator	Data Quality Manager
6. Information Technology Leadership	IT Manager Management Information Systems Director
7. Software / Application Developer	Programmer Programmer Analyst Associate Developer

### IV. REFLECTIONS

- Reflection from Lim  
Throughout the talk, I know about the role that a project management plays in accomplishing a project. It assists us to utilize our precious time wisely and we can complete a project with no extra works. As the speaker said, the main project for us, as a student, is to

complete our studies. We have to deal with obstacle that we encounter in our academic years, meanwhile, we have to be determined and having a clear mind of our aims in the academy. Last but not least, as the speaker mentioned, our attitudes is the most important measure if we demand to graduate with quality degree.

- Reflection from Afaf  
My main goal as a student is to become a successful network and security engineer. In order to achieve it, I have to master all the skills needed and equip all the requirements in this field. The industrial talk has taught me a lot about IT project management. To reach my goal, I must work hard and never stop learning because there are a lot of knowledge that I can explore and develop them in a better use in the future. Finally, I hope that I can contribute well to the society in this industry.
- Reflection from Afiq  
I wish to pursue my career related to my study, specifically an IT security specialist. This program influences my goal by opening my eyes and changed the way I view about my future career and life in general. My action is to not only focus on theory in classroom but also apply it during my internship so that I can get a better understanding about my career.
- Reflection from Fadli  
My dream regard to my course program is I want to take as much as I can about the computer especially about security system. This talk actually made me realized especially about IT management and about project management that are trending in this current world. My plan to improve my potential is I will increase and develop my soft skills well and also my EQ because there are the most important things after IQ if I want to find the best job in the future.

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