

# The Importance and Trending of IT Project Management

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**Abstract**—The application of knowledge, skills, tools, and techniques to meet to project requirement is known as project management. The speech session illustrates on the required qualities for a person to effectively manage projects whether in university or later during his/her work life. Project consists of 6 main components, which are: cost, time, benefit, risk, scope, and quality.

**Methods:** One of the key examples given was Prince 2, which is a project management technique that was developed in the UK. Any type of project, although not always applicable to smaller projects, could be handled by this type of approach. Starting up, then initiating or preparing, the process begins. Afterwards the scheduling stage is executed and the execution is monitored and controlled. Then we have the closure of the project. It is more common for a gig economy to be conducted by a company in the job field and we need to be used to it as an employee. Not only that, but enterprises now have information processing and artificial intelligence to further assist them in project management.

**Conclusion:** Finally, our emotional quality, the equality that is most essential, is our EQ. This is because we do not approach the situation realistically and objectively when our feelings take over our thought process.

**Keywords**—Project management, Prince 2, Emotional Intelligence (EQ)

## I. INTRODUCTION

The speech session was held from 10:20 a.m. until 11:30 a.m. on 1<sup>st</sup> December 2020. Mr. Mohd Khairul Reeza Ruslan, Head of Project Management Office Commerce Dot Com Sdn Bhd, was the guest speaker of the session. The title of this speech is “THE IMPORTANCE AND TRENDING OF IT PROJECT MANAGEMENT”. Since the world is now under the pandemic of Covid-19, this session was conducted online using the Cisco Webex application.

## II. IT PROJECT MANAGEMENT

### A. The Importance of IT Project Management

The importance of project management for IT projects is that projects must be finished on time. The main aim is to apply the project before the deadline before the industry begins using it as the use of the IT application is important from the outset for the industry. Project management, the next important thing after time, also serves to improve product quality as the basic tasks are done in time, so that non-essential yet rather important quality activities can then be conducted. [1].

Since IT tasks are enormous, project management makes useful and productive use of resources so that the project can be finished on time. For example, there is a management system called the Quality Management Framework (QMF) in the Malaysian industry that operates incrementally from the basics. [2].

### B. Trending of IT Project Management

Recently, new trends have emerged in IT project management:

- 1) There is a new global “gig” economy. Jobs nowadays may often be “short-term” contracts, freelance work, or remote jobs.
- 2) To gain knowledge and take decisions, big data and data analytics are used.
- 3) Artificial Intelligence and automation help IT managers to make calculations and assign resources in real-time [3].
- 4) Many software mythologies may be combined to make a hybrid methodology that solves the problem.
- 5) In addition to technical skills, the need for emotional intelligence (EQ) is greater than ever as strong emotional intelligence and soft skills are essential for successful leadership skills [3].

## III. RELEVANT IT CAREERS

Project managers are the leading players in the preparation, implementation, management, monitoring and close-up of projects. The whole scope of the project, the project team, the resources and the progress or failure of the project are accountable to them. In an IT profession, project management is an important thing. There is still a special demand in the job market for someone who can successfully run a project. A specialised practise is the management of programmes. This includes planning, coordination, deliverables and finally the job according to customer or business needs. The job of the IT manager will consist of managing the everyday IT needs of the company, including managing computer networks, servers and ensuring IT productivity on a regular basis [4]. In order to achieve those targets, the project manager must put the system analyst, software developer and technical expert team together to ensure that the whole project team is focused on achieving the project goals.

## IV. REFLECTIONS

- I attended a talk on the “Importance and trending of IT project management” on 1 December 2020 by Mr Mohd Khairul Reeza Ruslan, Head of Project Management Office Commerce Dot Com Sdn Bhd. In the session, he shared the process that a project should pass through to call it a good project. I know that before a project is produced, a project manager should create a timeline to explain and display the project process after I have heard his description. This is because, during the process, we could still address the issue before proceeding to the next phase if the project fails at a certain stage. In addition, this session also enlightened me that if I become a project manager one day no matter how complicated the situation is, I must regulate my emotions. This is because when our emotions are unstable, we can't

think rationally. (Member 1)

- During the 1 hour 20 minute speech of Mr. Mohd Khairul, he explained how project management works and how project management is important in all works. Mr. Khairul mentioned some of the project characteristics: time, cost, quality, scope, risk and benefit. He also said that construction began with project management. A little later it came to IT. I therefore understood what the project management is, how it functions, and its significance during this session. I hope for my future career this will be a big blessing. (Member 2)
- I learned from the talk session that project management skills can also be incorporated in our everyday lives. A project consists of time, cost, benefit, risk, scope and quality, he explained. It is possible to connect all these components to our lives. We all live to achieve profit in life, but with time on the line, the cost of it can be crucial. So when understanding our priorities, we need to scope our potential and assess the risks. We can have a quality performance in life only when we passionately do our duties. (Member 3)
- Mr. Mohd Khairul clarified that project management is a collection of tools, methodologies, and techniques for carrying out the activities of a project within limitations of time, cost and quality. He said that a project will often struggle to complete without this. From this, I learned that whatever hard work, skills, or talent a developer has, he could always struggle to complete his part in the project if he does not manage himself well. In the industry, Mr. Mohd Khairul said that the process is always tailored so that the bare minimum is first completed and then more is agreed to do. Flexibility and adaptability may also require in managing projects. Employees should also develop Emotional Intelligence (EQ) besides technical skills. It is also important to improve qualities such as efficient communication, emotion control and leadership skills. (Member 4)

## ACKNOWLEDGMENT

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## A. Tables

TABLE I  
Process of Project Management

Process	Description
1. Initiate	<ul style="list-style-type: none"> <li>• Project objectives</li> <li>• Constraints</li> <li>• Authorization</li> </ul>
2. Plan	<ul style="list-style-type: none"> <li>• Statement of work</li> <li>• Project plan</li> <li>• Assumptions, constraints, critical success factors</li> </ul>
3. Execute	<ul style="list-style-type: none"> <li>• Project deliverable</li> <li>• Deliverable acceptances</li> <li>• Change requests</li> <li>• Issues</li> </ul>
4. Monitor & Control	<ul style="list-style-type: none"> <li>• Performance/status reports</li> <li>• Plans change request</li> <li>• Change management results</li> <li>• Issues management results</li> </ul>
5. Closing	<ul style="list-style-type: none"> <li>• Product and vendor evaluations</li> <li>• Acceptance documentation</li> <li>• Project archives</li> <li>• Re-deploy resources</li> <li>• Outstanding issues and changes</li> </ul>