

Importance and Trending of IT Project Management

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Abstract—project management is very crucial in everybody's life. A project is a risk-taking, temporary process to produce innovative and unique products. Products can be tangible product, service, or achievement of a required outcome. To accomplish a project every individual needs to invest their time knowledge and skills to reach the ultimate goals. From this session, we could learn about project management and its importance. Moreover, we could learn about the important components of the project. We address how relevant IT project management is in the different sectors and what developments are taking place in IT project management. Finally, a variety of related IT professions are also discussed.

Keywords— *project, management, IT, importance, trending*

I. INTRODUCTION

This industrial talk is about the importance and trending of IT project management. The speaker is Mr. Mohd Khairul Reeza bin Ruslan and he is the Head of Project Management Office from the Commerce Dot Com Sdn Bhd. It was held on the 1st December 2020 from 10.00 AM to 11.00 AM. The talk was organized by Technology and Information System (SECP1513), School of Computing, UTM. The industrial talk introduces the students' project management and how it is related to university life. He also shared the personality and criteria needed for a student to be successful in their respective job. Some of the experiences shared by the speaker can also benefit the students in terms of their studies and industrial management. Project management is the application of knowledge, skills, tool, and technique to project activities to meet the project requirements. The process of project management are mentioned below:



PRINCE2 (Projects IN Managed Environments) is a formal project management method and a credential program for practitioners. PRINCE2 stresses the division of projects into manageable and controllable levels.

It is embraced in many countries around the world, including the United Kingdom, Western European countries, and Australia. PRINCE2 teaching is available in many languages.

PRINCE2 has been established as the UK Government Standard for Information Technology Projects.

The principles of project management are as follow :



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II. IT PROJECT MANAGEMENT

A. The Importance of IT Project Management

IT companies have various projects related to software creation, hardware installations, network improvements, and data processing, etc. Some of these tasks are very critical and require extra supervision and time, since in the 21st century all organizations are totally IT-based and funded. Project management has various approaches, strategies and functions depending on the needs of each industry and the purpose of project management. The IT organization is to distribute and manage resources in such a way that it brings the organization towards its target and achievement.

IT projects are particularly sensitive because when implementing and introducing a new technology for the first time in an organization, it is very risky as it can bring down the whole system, so it is very important that project management should be done in such a way that there should be a back-up to address the problem on an immediate basis. In IT projects, the emphasis of project management is slightly less than other industries but it is very important in the following areas:

- Banking sector
- Health system

B. Trending of IT Project Management

Artificial Intelligence (AI) & Automation Projects will affect projects, more Project Managers will adopt hybrid

project management, remote work is on the rise, many jobs would be open for project managers, globalized gig economy.

III. RELEVANT IT CAREERS

There are many sectors in IT where we can build our careers. In IT sector individuals can be system analytics, game developer, software developer, flutter-mobile app developer, network engineers, Construction, Energy, Engineering, Software Development, Information Technology (IT), Healthcare, and Marketing and Consulting.

IV. REFLECTIONS

Here should including the content of each member's reflection.

- **Muhammad Syazwan Bin Sahdan's Reflection—** After I attend this talk, I managed to discover more about IT project management, what is it, and how it is related to my current situation as a student. Some important qualities need to be equipped by the employee such as IQ and EQ. IQ part is all about the academics and the CGPA but the most important one is the EQ part where I learned that I need to control my emotions and behavior as it would affect my carrier. This sharing had taught me about emotion management where it is not just applied to our job environment but also in our daily life activities. This

talk had provided me with useful and beneficial information on the various looks of the future industry.

- **Hassan Mustafa Ibrahim's Reflection—** The first time I get interested with real live developments that are in my environments and learn about improving them for the better, there's no doubt the world is changing, just as I, as a student, have to make sure I keep evolving so that one day I can help improve my environment. It made me look at my journey in university form a different angle, not just academically. Continue to expand my experience and be more patient to manage my environment.
- **Shah Sajid's Reflection—** As per the understanding that I have gathered through the learning of project management is it can help me in a wide range of situations and I can also develop my useful skills. I can also excel in my career and academics.it motivates me to set a specific goal in my life. According to the realistic deadlines in project management, It changes our ideas into reality. I can also develop my soft skills such as leadership, teamwork, communication, and problem-solving skills.
- **GM Shaheen Shah Shimon's Reflection—** After graduation, I want to build up my career as a Software engineer. I have always dreamt of working as a professional in companies like Intel, Microsoft. So I will try to create my opportunities in these designated companies.

This talk helped me to gain all the relevant knowledge about the project and project management. This talk opened my eyes to all the different factors of project management and project management which can be applied to my university life. I also learned about the EQ and its role in the work environment and how important it can be to success. It taught me exactly what skills are needed to take on project management jobs and other IT jobs.

First of all, I have to work hard and need to have the perseverance to reach my goal. Innovations are very common technology so I need to be up to date with the latest technology to increase my potential in the industry.

ACKNOWLEDGMENT

I would like to thank Universiti Teknologi Malaysia for arranging such an important talk about the project and the importance of IT project management. Also, we humbly thank Mohd Khairul Reeza Ruslan and Mohd Goh Eg Su for moderating the Industry Talk, for encouraging us all, and for having been given such insightful talks that contributed to this study that expanded our knowled

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