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Industry Talk 2 Report

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Importance and Trending of IT Project Management

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Abstract---- Project Management is crucial in everyone’s life. A project is temporary as it has a start and an end. It is unique and does not have a routine but in order to accomplish something specific tasks need to be done. In order to complete a project an individual has to put in their efforts and time into it.. In this report, we learn about how a portfolio is formed. We discuss about how crucial IT project management is in various sectors and what are trending in IT project management. Lastly, various relevant IT careers are also discussed.

Keywords---- project, management, IT, trending, importance

1. Introduction

Project management is the application of knowledge, skills, tools and techniques to project activities in order to meet the project requirements. The main point about project management is to ensure these certain points are managed properly (Figure1). (Figure2) shows the project management process.

Prince 2 is a project management that was developed by the UK government. It has 7 principles mentioned in Figure 3.

Prince 2 says to tailor the process. It can be done by scaling down the process to the bare minimum that is required to ensure that project management can be applied from the starting point to the closing point.

A few projects contributing to a big target is called program. Similarly, a few programs contributing to a big output is called portfolio.

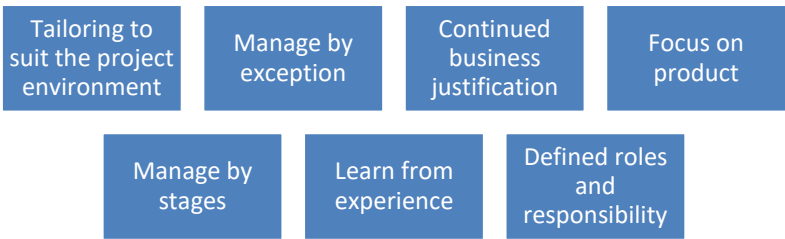


Figure 3

2. Importance of IT Project Management

In IT projects, the emphasis of project management is slightly less that of other industries but it is very important in the following areas:

2.1 Banking sectors

They apply project management end to end because they can see the financial risks through it. If project management is not applied properly and there is a mistake along the way, bank loses money. This is crucial because they are not able to calculate the interest properly.

2.2 Health Systems

In project management, the system needs to be managed well. It is made sure that the system is delivered in good quality since it involves human lives. If the system is delivered poorly and the machines are not able to read the data correctly, it can cost someone’s life e.g. if the pulse rate is read the wrong way , the doctor will prescribe the patient according to that report which can cause drastic consequences.

Without a proper project management application many drastic incidents can take place which will definitely change the expected outcome.

3. Trending in IT project management

3.1 Gig economy

It is the short term contract of freelance work in contrary to fixed jobs. People from different time zones and areas work for a certain amount of time. Figure 4 shows how much the demand for gig workers is supposed to grow by 2023.[1]

3.2 Big data

It is very important because through data analysis we will be able to make accurate decisions and save an organization from huge losses.

3.3 Artificial intelligence

AI-powered bots can be of great help when doing calculations. Moreover, they can easily arrange and assign resources in real time.

3.4 The benefits of change management for a successful project

Staying flexible, adjusting with different processes, workflows and also making less drastic changes, accepting change or accelerating change.

3.5 Method melding

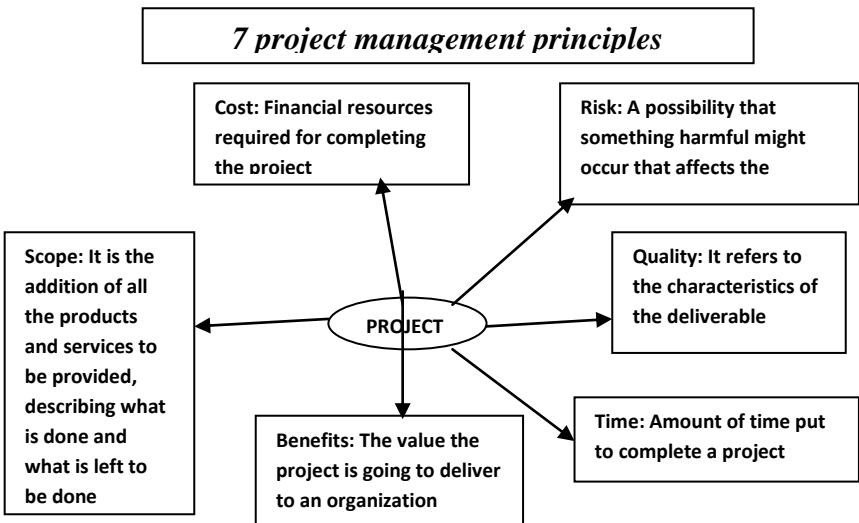


Figure 1

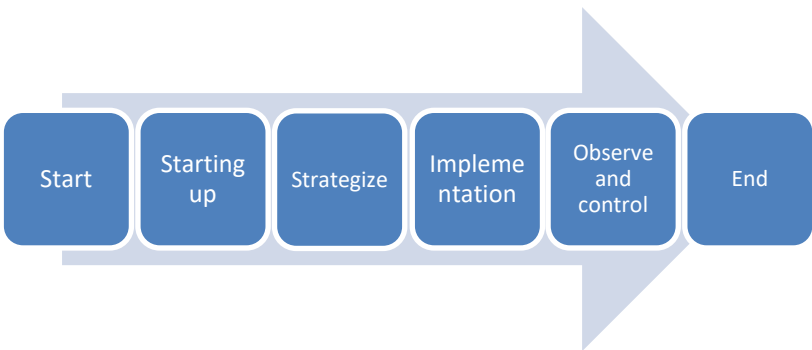


Figure 2

People combine Agile and Waterfall to keep the intended objective project cost as low as possible as well as to ensure that the project will be completed on time.

3.6 Tools and solutions for advanced project management

The project is planned accordingly , scheduled and the time is tracked . Communication and collaboration is a very important

tool. Along with that, Budgets, deadlines and progress tracking are also essential for advanced project management.

3.7 The effects of having emotional intelligence (EQ)

If IQ can make a person get hired for a company then EQ will aid in getting the person promoted in a company.

4. The relevant IT careers

For building up a career in the IT sector, individuals can be a Web developer, Systems analyst, Network engineer, Computer Programmer, Software developer, Software engineer, product manager, etc. People can also go into IT project management jobs where junior project manager can earn around 7000 RM a month. The more experienced ones can earn 5 figures. Table 1[2] shows the salary earned from different IT jobs.

Reflections

Toya lazmin khan : After graduating from this program I plan on joining a gaming company and gain experience in game designing so I can fulfill my dream of opening up my own game development company.

This talk helped me gain a lot of knowledge about the corporate industry which will be a valuable asset when I look for game designing jobs after graduation. It will also help me in choosing which jobs to take up and which ones to avoid.

I need to adapt to changes that keep occurring in the software industry by being up to date with the latest technology. I also need to work hard enough to prove myself and finally be able to survive in the industry.

Mahmoud Khaled Osman: I have not yet chosen a specific job I would like to have but this course can open up so many opportunities that I really don't have to choose right now. Eventually when I do start working, I would value the ability to organize, manage and communicate as these are essentials when it comes to success in any type of work.

This talk has really opened my eyes to all the different aspects of projects and project management which I now realize can be applied to even university life. I have also learned about EQ and its great significance in a work environment and how essential it can be to success.

To truly improve my potential, I will have to start becoming aware of how important organization and management not just in university work but also in everyday life. As Mr. Khairul stressed, improving my communication and emotional intelligence can be a deal breaker when it comes to working with others, which is the case more often than not when working in this industry.

Muhammad Dafa Rayhan Yasser: My Goal is to be able to receive many job opportunities. After listening to Mr. Khairul's talk, I realized that i have overlooked major points that he has deems essential. Skills such as communication and emotional intelligence are key, having bad communication within a group will result in low productivity results. The lack of communication will create confusion and conflict that will lead to negativity.

simple as communication must not be overlooked. So, after watching the talk. I'm motivated to work up my communication skills to avoid confusion or dispute, something as simple as that must not be overlooked. Therefore I will further improve the things I lack.

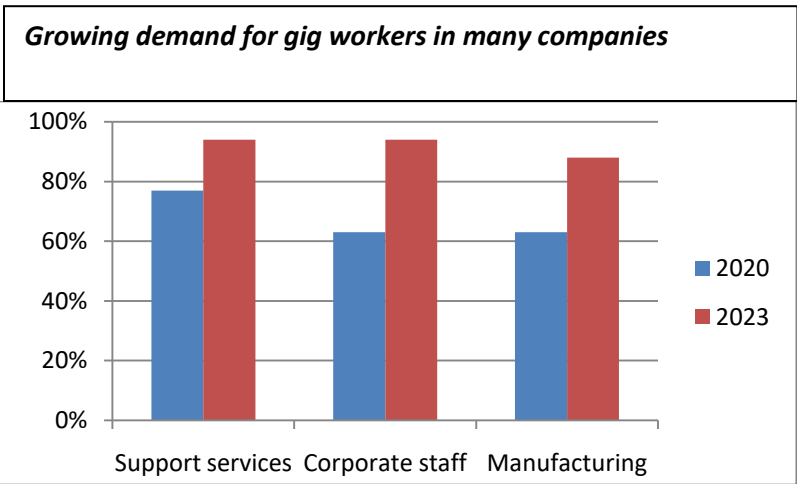


Figure 4 [1]

IT Jobs	Median Annual Salary
Software Developer	\$77,000
Product Manager	\$109,000
Java Developer	\$79,000
Data Scientist	\$113,000
Software Engineer	\$92,046

Table 1[2]

I see myself as someone whose communication skills are average at best so now I know I'm going to have to improve on that. But when it comes to emotional intelligence, it will be the deciding factor whether your group will make or break. What's worse than lack of communication is lack of Self-awareness, self-regulation. Motivation, empathy will result in repeated arguments and dispute.

If I'm looking to graduate with honors and get myself a good, I'm going to need to work on the things that I seem to lack, something

MD Mohaiminul Islam Faysal: I'll be a software developer and an explorer. That's why I chose abroad to study. Malaysia is the perfect place to start with. I am studying software engineering in UTM and hoping to be a well- established software developer.

This talk taught me about the pros and cons of different jobs and how to succeed in life. It taught me exactly what skills are required for taking project management jobs and other IT jobs.

Some people may have got some extra talents. But I think in a different way. Cause no matter how much talent he/she has if he/she doesn't study all the year he will fail. So hard working is my solution to all and God's mercy.

Acknowledgment

We cordially thank Universiti Teknologi Malaysia for arranging the industrial talk about importance of IT project management and trending IT project management. This helped us gain insights regarding different trending IT project management and how crucial project management is to the IT sector. Moreover, we humbly thank the moderator Dr Goh Eg Su for moderating the industrial talk and most importantly our speaker, Mohd Khairul Reeza Ruslan for encouraging all of us and for gifting us with such informative talks that helped us write this report which expanded our knowledge.

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