

# The Importance and Trending of IT Project Management

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**Abstract-**This paper studies the business process known as project management. This process has exhibited a remarkable growth in business interest over the last 15 years, as demonstrated 1000% increase in membership in the Project Management Institute since 1996. This growth is largely attributable to the emergence of many new diverse business applications that can be successfully managed as projects. The new applications for project management include IT implementations, research and development, new product and service development, corporate change management, and software development. The characteristics of modern projects are typically very different from those of traditional projects such as construction and engineering, which necessitates the development of new project management techniques.

## *Introduction*

This complete report based on industrial talk organized by Technology and Information Systems (SECP1513), School of Computing, UTM especially for all computing students. Dr Mohd Khairul Reeza Ruslan, Head of Project Management Office Commerce Dot Com Sdn Bhd, was the speaker for this whole industrial talk and guidance of Dr Goh Eg Su. This industrial talk was held on 1 December 2020 at 10 am until 11 am.

The purpose of this talk is:

- to gain an understanding of IT project management which includes the importance of IT project management and trending in IT project management
- to help students to set clear goals and realistic objectives
- to enhance communication
- to gain leadership skills

## *IT Project Management*

### *A. The Importance of IT project management*

The projects are not just about developing a new project or improving current technology. IT projects are focused on finding and creating a solution that ease every human needs. An excellent IT project management need to ensure the progress in the projects are always at the best state. To make it more clear, in each step in the during the progress,

the most efficient methods or technique must be applied in order to achieve a successful project management, the leader or project manager supposed to play an important role in understanding and meet the needs of the project. It is very important to provide an excellent IT Project management.

### **Great timing and time consumption are the key In managing project**

Each process needs a timetable to meet its end date. A group and the task supervisor needs to deal with their own chance to guarantee that the timetable is met. On the off chance that you don't make an undertaking plan or don't design the end date, there are chances that years will pass by and your projects will never get wrapped up. As for project manager, it is critical to have time management abilities to be effective. A deficit of efficient time management will lead the undertaking over the long haul. Much of the time, time truly is cash. There are a few techniques that can be applied to earn the best time management such as;

- Know how to spend time
- Set priorities
- Organize task list
- Avoid over commitment

Every person that incharged in each task should put A high attention in timing. To make it clear every Task or projects given must be delivered on time, Not too early and not too late. Assuming responsibility for your time will assist you with dealing with your outstanding task at hand to finish your undertakings all the more productively and on schedule. At the point when you set a specific measure of time to finish each assignment, and spotlight just on that task, your mind will prepare to achieve the undertaking inside the distributed schedule opening.

## Strategies planning and arrangement will ease the management of the project

Project management strategies are the step in thinking about Projects in order to ensure the smoothness of the project progress from the beginning until the end. In other words, Strategic Project Management is about forming clear links between Projects and Objectives with a great strategies every wrong decision can also be prevented.

Project Management strategies is not just about the handling main and important projects, it's about creating and arranging a portfolio of Projects to ensure that it is in line with the strategy.

### B. Trending of IT project management



#### 1. shifting, globalized Gig economy

- gig economy is an unregulated economy framework in which temporary positions are normal and associations employ independent worker for momentary commitment. The expression "gig" is a slang word for a short term employment; there are a few types of gig employment for example, consultants, self employed entities, project based specialists and impermanent or low maintenance recruits.

#### 2. greater focused on big data

- data can significantly affect the results of a project, which is the reason it's crucial for project manager to see information as well as that they can understand the information, so their customers will get the outcomes they need.

#### 3. automations and artificial intelligence

- The coalition of machine and human insight in projects is significant for future project management, as it will combine qualities of the two universes for an ideal

project process approach. AI will assist us beyond human abilities and also bring efficiencies and effectiveness.

#### 4. importance of change management to project success

- At the point when approach in an organized and adaptable process, changing the board can be effectively coordinated with other projects and contribute essentially to progress, expanding sustainability and limiting any bad consequences on project performance.

#### 5. method melding

by combining project management methods, we can create our own special approach to achieve goals in our project. In project management, the project manager should utilize devices to oversee time successfully on projects. If the correct methods and technique are not accessible, even the most gifted project supervisor could not complete the project.

#### 6. advanced project management tools and solutions

- project management tools give us the capacity to handily build up an order of errands for powerful and effective finishing. It likewise allows us to show which steps are successive and which assignments are reliant on each other. Thusly, this makes it simpler for the group to accomplish their work. This is an efficient device, since when the group chief realizes which steps are the main, he/she at that point realizes which undertakings to dole out to whom.

#### 7. the impact of emotional intelligence

emotional intelligence is generally known as an important expertise that improves communication, the board, critical thinking, and connections between people. It is also a skill that can be improved by training and practice. This is the point where we're being judged by people. It is whether we can cope with them or not. it is crucial to control our emotion, so that we are able to handle any kind of situation and achieve the objectives.

### ***Relevant IT Career***

IT Project Manager

Network/Cloud Manager

Vice President of IT

Software Development Manager

Information Systems Security Manager

Database Manager

Technology Director

Chief Technology Officer

Chief Information Officer

### ***REFLECTION***

- ***Reflection Member 1***

1. What is your goal/dream with regard to your course/program?

My goal for this program are to passed with flying colours also to graduate with honor.i really hope that from this 4 years I could gain as much knowledge and prepared myself inner and outer to face the bigger challenge soon in order to be a person that can make changes for this world.

2. How does this talk impact on your goal/dream with regard to your program?

Regarding to the talk given, i gain some inspiration to work harder and smarter to ensure a great bright future. It also widely open my eyes to have a clearer vision on strategies that I need to arrange and prepared to face all the obstacles in the journey to earn my goals.

3. What is the action/improvement/plan necessary for you to improve your potential in the industry?

Hence, I will put more efforts to improves my abilities also I will set up my mind to always positive no matter how hard the difficulties are.

- ***Reflection Member 2***

1. What is your goal/dream with regard to your course/program?

My goal is become a graphic designer who very expert in designing and can produce many creative works. I want to create my identity in my design, like when anyone see my work, they will know that is my work automatically.

2. How does this talk impact on your goal/dream with regard to your program?

This talk very encourage me on my goal which is give me general idea what should I do after graduated and also project management to complete my degree. Work as freelance is a good idea that mentioned by Dr Mohd Khairul, because get chance to do multiple of projects. I think it will gain more experience and very interesting job.

3. What is the action/improvement/plan necessary for you to improve your potential in the industry?

I have to do change management which is prepare myself to get ready with job and make interviewer select me. I should know how to apply the lecture in real life, not only for theory but also for practical.

- ***Reflection Member 3***

1. What is your goal/dream with regard to your course/program?

I will finish my degree and want to be a successful programmer. I want to get to a point where I can drop into new situations or technologies and quickly start making a big impact.

2. How does this talk impact on your goal/dream with regard to your program?

This talk reflects me the importance of IT management which means I have to combine the project management into our projects instead of simply starting a project.

3. What is the action/improvement/plan necessary for you to improve your potential in the industry?

First thing I have to do is good communication that will gain my confidence and also the industry. Besides, I must have integrity that can lead to good reputation and opportunities for advancement.



Figure: Project Management Job in Project-Oriented Industries in 2017 and 2027

### Acknowledgment

We would like to express our deepest appreciation to all those who provided us the possibility to complete this report. A special gratitude we give to Dr Mohd Khairul Reeza who has invested his full effort in giving the talk which is very full of meaningful knowledge for all of us. Furthermore we would also like to acknowledge with much appreciation for Dr Sarina, our lecturer who contributes in stimulating suggestions and encouragement that helped us to write this report

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