

# The importance and trending of IT project management

First A. Kalaivani Subramaniam, Second B. Tan Ming Hui, Third C. Tay Jia Yi, Forth D. Nur Fatehah Bt Hairol Nizam and Fifth E. Salma Alaa Mohamed Mahmoud, *Member, IEEE*

<sup>1</sup>Author affiliation, Department of IEEE-NEMS, University of Nanotechnology Council, NJ 12345, USA;

<sup>2</sup>Second author affiliation, Department of Nanotechnology, University of NEMS, AR 67890, USA

This template explains the event of “The Importance and Trending of IT Project Management” that was held by school of computing at UTM and was presented by Mr Mohd Khairul Reeza Ruslan. In this template you would read about the importance of IT project management and how it plays an important part in your career. Moreover, you would read more about the orientation of the market in this field and the skills you need to acquire to work in this field. In addition, you will look at different specializations in this field and their annual salaries. At the end you would read reflections from UTM students about their opinion and the benefits they received from this talk.

## I. INTRODUCTION

This event titled “The Importance and Trending of IT Project Management” was hosted by Technology and Information Systems, School of Computing, UTM. It was held on 1<sup>st</sup> December 2020 (Tuesday) from 10 am to 11 am attended by around 400 UTM students virtually via Cisco Webex. The speaker was Mr Mohd Khairul Reeza Ruslan, the Head of Project Management Office Commerce Dot Com Sdn. Bhd. He is an experienced IT Project Manager Leader with 22 years experiences in IT project management. He achieved professional certificates in project management, PRINCE 2 and MoP in United Kingdom (2014). Moreover, he owned a four-year-experience with PMP project management methodologies and gained professional experiences in Capability Maturity Model Integration (CMMI) Level 5 Company.

## II. IT PROJECT MANAGEMENT

### A. The Importance of IT Project Management

IT project management is important to plan and manage a project to complete its targeted goals and deliverables where can let us realistic the project planning when the project is complex and involve numerous stakeholders. The project plan is outlined easily. We also will be clearer about the goals and objectives to avoid doing the wrong thing. The project’s quality is controlled and the costs are reduced by improving efficiency, optimizing resources, and mitigating risks.

### B. Trending of IT Project Management (Heading 2)

The trend is Shifting, Globalized Gig Economy. It is a labor market characterized by the prevalence of short-term contracts or freelance work as approach to permanent jobs. Greater focus on Data (Big Data), data is really important. Automation and artificial intelligence (AI) will match their persona itself and give the best profile. Importance of change management to project is prone to be flexible. Method melding, it would start with waterfall process then followed by Agile and Scrum. It will combine all the

method and turned into hybrid. Advanced project management tools and solutions, increasing your business values of “Soft Skills” will help you to be a better thinker and able to handle your emotions.

## III. RELEVANT IT CAREERS

We are currently in industrial revolution 4.0 which mainly implemented artificial intelligence. Information technology (IT) and computing are the fastest growing careers and will create more job opportunities in years come. Some of the relevant IT careers that in demand are mobile application developer, database administrator, web developer, IT help desk technician, network administrator, video game designer, graphic designer, IT security specialist, computer hardware engineer. As IT career path has high opportunity to give good jobs and money, many people tend to focus in it. The competition to get what we want in IT career will become tougher. People need to set a clear objective of their future before step into IT career path.

## IV. REFLECTIONS

- Kalaivani A/P Subramaniam  
My goal with regard to my course is to achieve good results in order to get good jobs in the future. Getting good results not only help in getting many opportunities in getting a job, it also gives a chance to lesser the competition in IT career path. From the talk I realize that we need to set our as a project management. Like what Mr. Mohd Khairul Reeza Ruslan said the talk, we need to put our skills into a project. For my goal I need to apply my knowledge and skills to pass the exam. The improvement that I need to do is to have many and interesting soft skills and difference working experience. Since the career path I chose have tough competition, I need to have some special ability to conquer the job. For instance ability in speaking English fluently.
- Tan Ming Hui  
My goal is to master the Internet, technology, and computing skills that all I have learned in my course. This talk let me know how important project management is. To make the project successful, I must clear about the goals so that I will not do the wrong thing. Thus, if I need to achieve my goals that master the skills, I need to know where my weaknesses skills is. Then, I need practice to enhance the skills. I need to focus in class so that I understand how to apply the skills. I also need to do the practice to enhance the skills learned and apply it to the problem faced which is related.
- Tay Jia Yi

My goal is to create a software to increase people's productivity. This talk has brought great impact, which is understanding the importance and trending of project management. I learned that project management is an important skill to handle project events and activities to fulfil project requirements. Firstly, I have to gain lots of knowledge so that I could transform my knowledge to create software to achieve my goal. To understand the actual needs of society, I need to be open-minded to absorb extra knowledge without boundaries.

- Nur Fatehah Bt Hairol Nizam

My goal regarding to my course that I hope one day I would able to conduct a mega project related with in build an app. This talk gives me a huge picture on how I should act and think. Controlling your emotions is one of the main key. It also gives me motivation to work on my goal as soon as possible. To improve my skills in this industry, I should practice self-discipline so I would not go off track from what I have planned. If not I will have troubled myself in the future.

- Salma Alaa Mohamed Mahmoud

My goal for the future is to specialize in cybersecurity and to have a general idea about the rest of the fields of computer science engineering. This talk should me the importance of project management in the life of a computer science engineer, how I should work on my thinking, problem solving and self- discipline skills in order to have a more successful career in the future. In this talk Mr. Mohd Khairul Reeza Ruslan urges us to improve our selves in every chance we have during this course and to learn as much as possible.

#### A. Tables

TABLE I.

IT Careers	Average Annual Salary (USA)
Database Administrator	\$84,000
Web Developer	\$80,000
IT Help Desk Technician	\$46,000
Network Administrator	\$69,000
Video Game Designer	\$80,000
Graphic Designer	\$57,000
IT Security Specialist	\$107,000
Computer Hardware Engineer	\$99,000.
Mobile Application Developer	\$107,000

#### ACKNOWLEDGMENT

We are really grateful because we manage to complete SECP assignment within the time given by our lecture Dr. Johanna. Without the cooperation from our group member Jia Yi, Fatehah, Salma, Ming Hui this assignment cannot be completed. We also sincerely thank Dr. Johanna for her guidance and encouragement in finishing this assignment and also for teaching us.

#### REFERENCES

[1] Daniel Greenspan. (2020). IT Career Paths. Retrieved on 10 December 2020 from <https://www.itcareerfinder.com/it-careers.html>.

[2] Lucid Chart Team. (2020) .Top 6 Reasons Why Project Management Is Important. Retrieved on 09 Dec, 2020 from <https://www.lucidchart.com/blog/why-is-project-management-important>.