

The Importance and Trends of IT Project Management

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Abstract— The future belongs to those who believe in the beauty of their dreams and to those who identify the trends and act swiftly. Good timing does not hurt, either.

The technological, social, and market evolutions currently in play will continue to transform the field of project management. Are you on top of the project management trends that are going to change how you work, manage your teams, and envision your career? What does the project manager of the future look like? That is you, friend, in a few years. You may become a catalyst for change in your organization as you champion the innovations that will help your teams best meet the needs of customers, stay within budget, and achieve business goals.

I. INTRODUCTION

Some people may not know the importance of IT project management. Let's say you want to create a programming project, what will happen if you don't manage your own IT project?

Missing the panoramic view

A programming project with unclear requirements must fail. If the documents and use cases are not detailed enough, this means that the end product will not be successful.

Not tracking progress

If there is no commonplace to track all progress, it is impossible to know what the project has accomplished as per plan. Uninformed employees often lose their enthusiasm during project implementation.

Missing business

Delivering on time has no value if the product doesn't deliver the expected performance. Unattended issues during and after development can lead to your project being lost.

The collapse of the whole project

Do you hide details from your customers to surprise them with the result? Most projects budgeted and planned hours because of refusal to approve exceed their final products.

II. IT PROJECT MANAGEMENT

Managing a project is the most important part of any project. Project management is a critical practice that applies knowledge of process, skills, tools, deliverables, and techniques to project activities to ensure a solid path to project success by meeting goals and requirements. Projects are often complex and involve numerous stakeholders, having a project manager to lead the initiative and keep everyone on the same page is critical to project success. There are many several reasons why project management is important which are:

1- Realistic project planning

Managing a project requires the manager to set a picture and sets realistic and achievable goals, budgets, and timelines. The project can be failed if without careful management.

2- Clear focus and objectives

One of the most common reasons for project failure is the lack of a clear goal. Project managers help organizations hone in on their priorities and define their project objectives. If the project management task is left to the team to do, the scope and objectives can easily get muddled.

3- Quality control

As same as all the components of a project the management the quality control is important as well. The project might meet all parameters for time and budget, but if the quality standards aren't met, the project will be deemed a failure.

4- Reduced costs

Good project management could reduce the cost of the project by improving efficiency, mitigating risks, and optimizing resources.



Fig. 1. Project Management Plan.

III. RELEVANT IT CAREERS

It is always important to do some research before committing to studying a field. One should know how far this field goes and how much money people within these fields make.

In information technology (IT) and information and communications technology (ICT), there are a lot of different careers to choose from. Almost all IT jobs require you to have strong technical knowledge about computers and everything that happens behind the scenes.

A CSI technician or a Computer Service Technician fixes software and repairs hardware problems in computers. They often run a diagnostic test to find out what problem they are facing. These technicians could replace a defective piece of hardware or remove malware on your PC. This job requires a lot of experience in repairing and assembling computers [1].

A Data Centre Technicians maintains hardware networks and data servers. It is a crucial job that helps the internet stay afloat. They help prevent companies from having sudden system shutdowns and help avoid the company's confidential data from leaking to the public by maintaining security measures. This job requires you to know about computer networking, inventory management, and hardware repair.

An IT Manager has broad experience and skills in the computer space. They help maintain companies' electronic devices in shape and up to date. If any of the employees have any problem with their PC, the IT can help them solve it [2].

IV. REFLECTIONS

Mohammed Adham's Reflection:

In industry report 2, we learned about the importance of IT management. A company cannot function with a separate branch for IT. Maintaining a company's network and the system is important. If an attack or system shutdown happens to a major company, it could collapse and have severe losses due to this.

IT can help companies and organizations boost their effectiveness and profit.

Adham Alaa's reflection about industry talk 2 Industry 2 was about how IT project management is very important to all companies.

The IT controls the system network and security of the company because IT helps companies to make effective Data Management, solve complex problems, and Safety from Viruses and Other Compromising Software.

Abdulaziz Ba Haj's Reflection:

On December 1st, 2020, Mr. Mohd Khairul Reeza Ruslan presented an industry talk titled The Importance and Trends of IT Project Management. Mr. Ruslan started by talking about the importance of IT management, which was on how companies are unable to function properly without IT management in the company.

Then he proceeded with an example of how if there was any system shutdown or attack happens to the company, the company could collapse.

And that's why companies must pay attention to IT project management, IT can help businesses and companies improve their productivity and double their benefits.

Lastly, Mr. Ruslan finished his industry talk on the trends of IT project management jobs, and for me, that was very helpful, and in my opinion, this topic is very important for undergraduate students to be aware of these career paths.

Emran Almbruk's Reflection:

Industry talk 2 was about IT project management and the importance of project management. The speaker started the session by the definition of a project and covered the areas of project management which are time, cost, quality, scope, risk, and benefits. Then, he shared some of his experiences and explained some examples and principles of IT project management. Finally, he gave us an idea about the process of managing the projects. By doing this report we have learned so much about project management and we can apply this knowledge in real-life problems.

Husam Hasan's Reflection:

I did not know that IT project management is that much important in project management, so the title was very helpful because project management is a complex task and needs a lot of effort and time, especially if many people are working on it in parallel. We can say that it is a topic that the students must know because we as students think that Projects are only for businessmen and companies only. the IT project management helps the student to plan the project, facilitates cooperation and coordination, strengthens communication between team members, facilitates tracking of progress, clarifies aspects of work, and saves money therefore, it encourages students to build projects.

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