SPM

SOFTWARE PROJECT MANAGEMENT

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SOFTWARE PROJECT MANAGEMENT

Whatever project is being developed or is being made, we call the management of that project as software project management.
The job pattern in any IT company is divided into two parts in software project management.

1) Software Creation - Whatever software is being developed or made, we call the process of making this software creation.

2) Software project management - Whatever project is being developed, we will call its management as (software project management).

Project in some segments characterized as :-

1) Every project has its own unique goal. All projects are designed from their own point of view.

2) Whatever the programmer of a project, he will perform operation only till the part of creation, he will not do day to day operation.

3) There will be a fix start time and a fix end time for the completion of each project.

4) Whenever the software project is completed, that project will become a temporary phase of an organization.

5) To make any project, there should be some necessary resources like time, manpower, financial, material and knowledge bank.

SOFTWARE PROJECT

Software project is a complete procedure of software development in which a programmer designs a software at a particular time after taking any information from the customer's view.

SOFTWARE PROJECT MANAGEMENT

Software is called an intangible product. Software development of all new streams in world trade

There is a type and people have very little experience in building software products.

Most of the software development is made according to the requirements of the customer. most important is that

As technology changes and technology advances rapidly, the experience of one product cannot be applied to other products.

could.

All such business and (environmental constraints) bring risk in software development so Software Project

needs to be managed efficiently.

The above figure shows the triple constraints for SOFTWARE PROJECT. to deliver quality product

For this software is an essential part of the organization. software organization to the customer according to the budget

Within a particular time, it provides software to its customer according to its cost.

Hence, SOFTWARE PROJECT to incorporate user requirements with budget and time constraints

Management is required.

There are three constraints in software project management which depend on each other.

TIME, COST AND QUALITY

In the picture shown above, the three essential parts of software organization are time, cost and quality.

Which refers to the develop or scope of software.

If we consider time, then it will also bring an effect on cost and quality. like if we

If the cost is more, then the software will become fast and of quality. If time is more means that software

The quality and cost of both will be less.

SOFTWARE PROJECT MANAGER

A software project manager is a person who takes the responsibility of executing a software project.

SOFTWARE PROJECT MANAGER is fully aware of all the steps of SDLC that the software has to go through. The project manager may never be directly involved in producing the final product but he controls and manages the activities involved in the production.

A project manager closely monitors the development process, prepares various plans and

Executes, arranges necessary and adequate resources, costs, budgets, resources, time, quality

and maintains communication among all team members to resolve customer satisfaction issues.

ROLE OF PROJECT MANAGER

- Managing People
- Act as project leader
- Liaison with stakeholders
- Managing human resources
- Setting up reporting hierarchy etc.

  Managing Project

  - Defining and setting up project scope
  - Managing project management activities
  - Monitoring progress and performance
  - Risk analysis at every phase
  - Take necessary step to avoid or come out of problems
  - Act as project spokesperson