

SPM: Software Project Management

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PREPARED FOR

Engineering Students

All Engineering College

(SPM)

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- **Software Project Management:
Characteristics of Project**

SPM:Software Project Management

- A project is a combination of interrelated activities to achieve a specific objective within a schedule, budget, and quality.
- It involves the coordination of group activity, wherein the manager plans, organizes, staffs directs, and controls to achieve an objective, with constraints on time, cost, and performance of the end product.
- Project management is the combination of project and management.

SPM:Software Project Management

- **Planning is the strong keys to make the project more effective and well utilization of resources to achieve the goal.**
- **project like how objectives are important for achieving the goal, the total time duration of the project, calculated risk, and uncertainty of the project, the total estimated cost of the project, etc.**
- **some other characteristics of the project like team spirit, require funds, directions, uniqueness, flexibility, and subcontracting, etc.**

SPM: Characteristics of a Project :

- Projects are not homogeneous.
- Each project is different in itself.
- The distinctive characteristics of a project are

Characteristics of Project

1. Objectives
2. Single entity
3. Life span
4. Require funds
5. Life cycle
6. Team Spirit
7. Risk and uncertainty
8. Directions
9. uniqueness
10. Flexibility
11. Sub-Contracting
12. Cost

SPM: Characteristics of a Project :1.Objectives

- Every project is started with some objective or goal viz. time, budget, quality, and quantity, when objectives are fulfilled project cause existing.
- You can initially define the objectives of the project what actually need to achieve.
- Objectives are the key characteristics of the project where you will see the progress of the project and time to time analysis will show you the result of how much you have achieved.

SPM: Characteristics of a Project :2.Single entity

- A project is one whole thing.
- This means that in a project although different people contribute still is recognized as a single entity.
- The teams are often specifically assembled for a single project.

SPM: Characteristics of a Project :3.Life Span

- **No project can be ceaseless and indefinite.**
- **It must have one end beyond which it cannot proceed.**
- **Every project is invariably time-bound.**
- **At the time of planning, you will see the time phase of the project where the team can work independently on the project modules.**
- **Let's consider an example project that is divided into three modules let's say A, B, and C. If the total time span of a project is 5 months then you can set the time span for modules independently like A can complete in 2 months and also B can complete in 2 months and C can complete in 1 month as per requirement.**

SPM: Characteristics of a Project :4.Require funds

- Every project is started with some objective or goal viz. time, budget, quality, and quantity, when objectives are fulfilled project cause existing.
- You can initially define the objectives of the project what actually need to achieve.
- Objectives are the key characteristics of the project where you will see the progress of the project and time to time analysis will show you the result of how much you have achieved.

SPM: Characteristics of a Project :5.Life Cycle

- Every project is started with some objective or goal viz. time, budget, quality, and quantity, when objectives are fulfilled project cause existing.
- You can initially define the objectives of the project what actually need to achieve.
- Objectives are the key characteristics of the project where you will see the progress of the project and time to time analysis will show you the result of how much you have achieved.

SPM: Characteristics of a Project :6.Team Spirit

- Every project is started with some objective or goal viz. time, budget, quality, and quantity, when objectives are fulfilled project cause existing.
- You can initially define the objectives of the project what actually need to achieve.
- Objectives are the key characteristics of the project where you will see the progress of the project and time to time analysis will show you the result of how much you have achieved.

SPM: Characteristics of a Project :7.Risk and Uncertainty

- Every project is started with some objective or goal viz. time, budget, quality, and quantity, when objectives are fulfilled project cause existing.
- You can initially define the objectives of the project what actually need to achieve.
- Objectives are the key characteristics of the project where you will see the progress of the project and time to time analysis will show you the result of how much you have achieved.

SPM: Characteristics of a Project :8.Directions

- Every project is started with some objective or goal viz. time, budget, quality, and quantity, when objectives are fulfilled project cause existing.
- You can initially define the objectives of the project what actually need to achieve.
- Objectives are the key characteristics of the project where you will see the progress of the project and time to time analysis will show you the result of how much you have achieved.

SPM: Characteristics of a Project :9.Uniqueness

- Every project is started with some objective or goal viz. time, budget, quality, and quantity, when objectives are fulfilled project cause existing.
- You can initially define the objectives of the project what actually need to achieve.
- Objectives are the key characteristics of the project where you will see the progress of the project and time to time analysis will show you the result of how much you have achieved.

SPM: Characteristics of a Project :10.Flexibility

- Every project is started with some objective or goal viz. time, budget, quality, and quantity, when objectives are fulfilled project cause existing.
- You can initially define the objectives of the project what actually need to achieve.
- Objectives are the key characteristics of the project where you will see the progress of the project and time to time analysis will show you the result of how much you have achieved.

SPM: Characteristics of a Project :11.Subcontracting

- Every project is started with some objective or goal viz. time, budget, quality, and quantity, when objectives are fulfilled project cause existing.
- You can initially define the objectives of the project what actually need to achieve.
- Objectives are the key characteristics of the project where you will see the progress of the project and time to time analysis will show you the result of how much you have achieved.

SPM: Characteristics of a Project :12.Cost

- If the quality of the project is to be changed there would be an impact on the cost of the project.
- The cost could increase if more resources are required to complete the project quicker.