

## Meaning of PERT

Program (Project) Evaluation and Review Technique (PERT) is an activity to understand the planning, arranging, scheduling, coordinating, and governing of a project. This program helps to understand the technique of a study taken to complete a project, identify the least and minimum time is taken to complete the whole project. PERT was developed in the 1950s, with the aim to the cost and time of a project.

## Meaning of CPM

Critical Path Method (CPM) developed in the 1950s is an algorithm needed for planning, arranging, scheduling, coordinating, and governing of a project. It is presumed that in this method the activity time is specified and fixed. It is used to calculate the quickest and latest start time for each task.

CPM helps to distinguish the critical and non-critical tasks, reduces the time and bypass

the queue formation in the process. It is essential to identify critical activity because if any activity is hindered, it will clutter the whole process.

In this process, first, the list of all the activity is prepared, followed by the time required by each of these activities. Then the dependency connecting the activities is decided. Here, the series of the activity in a network is defined as 'path'.

## PERT vs CPM

### Abbreviation

PERT - Project Evaluation and Review Technique

CPM - Critical Path Method

### What It Means?

PERT - PERT is a popular project management technique that is applicable when the time required to finish a project is not

certain

CPM - CPM is a statistical algorithm which has a certain start and end times for a project

Model Type

PERT - PERT is a probabilistic model

CPM - CPM is a deterministic model

Focus

PERT - The main focus of PERT is to minimise the time required for completion of project

CPM - The main focus of CPM is on a trade off between cost and time, with a major emphasis on cost-cutting.

Orientation type

PERT - PERT is an event oriented technique

CPM - CPM is an activity-oriented technique