

# PROJECT MANAGEMENT USING GANTT CHARTS

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**Abstract:** Project management as the science of managing project must have an efficient tool for analyzing first the possibility of realizing an project and if the project is realizable than this must be monitorized so that the fact ( the actual facts in the project development) is corresponding to the one established in order to maintain the viability of the project. One of the earliest and most effective tools for project management is the Gantt chart.

Project management is the science of planning, organizing and managing resources to bring about the successful completion of specific project. A project is a finite endeavor undertaken to create a unique product or service. The project development includes a number of elements <sup>[3]</sup> :

Project management have developed as a individual science manly due to the work of Henry Gantt, called the father of planning and control techniques <sup>[2]</sup> Henri Fayol.

Gantt charts mainly concentrate on three stages of a project development, planning, production and monitoring. Using a Gantt chart in the planning stage of project development gives a realistic estimate on key factors for the projects success, as : time , workforce, critical points in project development, resource usage.

As presented above the Gantt chart uses three types of information:

- **What** jobs have to be done within a project.
- **Howe** must due those jobs.
- **When** those jobs must be finished.

The information regarding a project, obtained using a Gantt chart is as accurate as the data used for the chart. Also the method used to create the chart have a direct influence on the quality and quantity of information obtained.

The stages for generating a Gantt chart using the Gantt Project software are:

- Define the charts characteristics.
- Define the resources available
- Define the tasks needed to be done.

## **Bibliography**

1. Maria Gâf-Deac - Îndrumar pentru management general- Editura Fundației România de Măine, 2007
2. Martin Stevens (2002). Project Management Pathways. Association for Project Management. APM Publishing Limited, 2002
3. F. L. Harrison, Dennis Lock (2004). Advanced project management: a structured approach. Gower Publishing, Ltd., 2004