Experiment 9(A)

Gantt Chart

Software engineering

Introduction

A Gantt chart, commonly used in project management, is one of the most popular and useful ways of showing activities (tasks or events) displayed against time. On the left of the chart is a list of the activities and along the top is a suitable time scale. Each activity is represented by a bar; the position and length of the bar reflects the start date, duration and end date of the activity. This allows you to see at a glance:

* What the various activities are
* When each activity begins and ends
* How long each activity is scheduled to last
* Where activities overlap with other activities, and by how much
* The start and end date of the whole project

To summarize, a Gantt chart shows you what must be done (the activities) and when (the schedule).

# Simple Gannt Chart

Gantt charts are most commonly used for tracking project schedules. For this it is useful to be able to show additional information about the various tasks or phases of the project, for example how the tasks relate to each other, how far each task has progressed, what resources are being used for each task and so on.

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| --- | --- | --- | --- | --- |
| **GANTT CHART** | | | | |
| **Task Name** | **Number of Days** | | | |
| **Day-1** | **Day-2** | **Day-3** | **Day-4** |
|  |  |  |  |
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Uses of Gannt Chart

The uses of a Gantt chart, as you can see by the sheer number of teams and roles who can benefit from using Gantt charts, are many. Here are just a few:

* Plan & Schedule Projects.
* Plan & Schedule Tasks.
* Plan & Schedule Tasks across multiple projects.
* View Tasks Over Time.
* Plan in Sprints.
* Team Collaboration.
* Scheduling Teams’ Work.
* Determining Planned versus Actual Timelines on a Project.

Sample Data

|  |  |
| --- | --- |
| Activity | Time (in days) |
| Engineering | - |
| Planning | 3 |
| Coding | 7 |
| Development | 5 |
| Testing | 3 |
| Deployment | 2 |
| Marketing | 5 |
| Maintenance | 6 |

# GANNT CHART

A screenshot of a cell phone

Description automatically generated