

EXPERIMENT NO. 07 - Use project management tool to prepare

Learning Objective: Students will able to draw Gantt Chart for the project

Tools Used: Gantt Chart , PERT (Program Evaluation and Review Technique)

Theory:

The main aim of Project Scheduling and Tracking is to ensure that the project is completed on time and within the allocated resources. PERT and Gantt Chart are two widely used project scheduling techniques in software development.

To achieve effective scheduling, the project is:

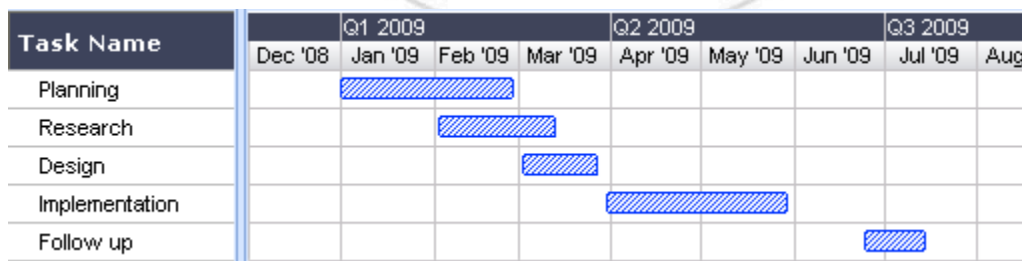
- ✓ Divided into tasks, estimating the time and resources required for each task.
- ✓ Organized concurrently, ensuring optimal workforce utilization.
- ✓ Minimized in dependencies, reducing delays caused by one task waiting for another to complete.

Gantt Chart:

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:

Key Features of a Gantt Chart:

- ✓ List of activities on the left side of the chart.
- ✓ Time scale along the top of the chart.
- ✓ Bars representing tasks, with position and length indicating start date, duration, and end date.

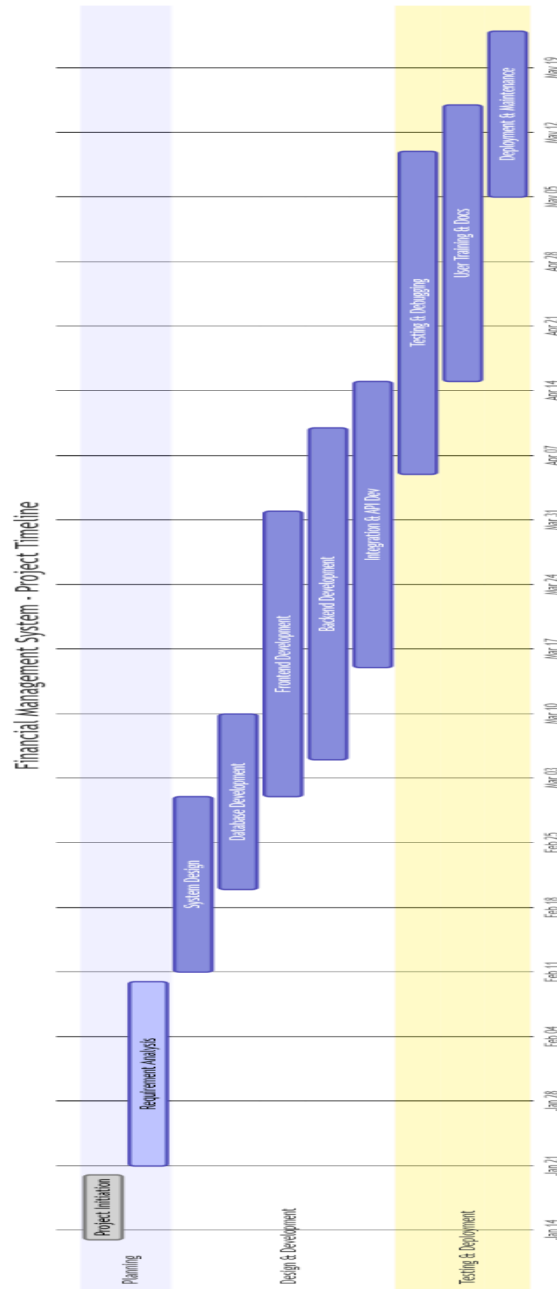


Benefits of a Gantt Chart:

- ✚ Clearly shows what the various activities are.
- ✚ Displays when each activity begins and ends.
- ✚ Highlights how long each activity is scheduled to last.
- ✚ Identifies overlapping activities and their dependencies.

Provides an overview of the start and end date of the entire project.

Result and Discussion:



Conclusion:



For Faculty Use:

Correction Parameters	Formative Assessment [40%]	Timely completion of Practical [40%]	Attendance / Learning Attitude [20%]	
Marks Obtained				