

Experiment 7: Use project management tool to prepare schedule for the project.

Learning Objective: Students will able to List the various activities in the project, analyze the various activities for schedule, estimate the time for each activity and develop a Gantt Chart for the activities.

Tools: Gantt Chart using any Project Management tool_

Theory:

The main aim of PROJECT SCHEDULING AND TRACKING is to get the project completed on time. Program evaluation and review technique (PERT) and Gantt chart are two project scheduling methods that can be applied to software development

Split the project into tasks and estimate time and resources required to complete each task. Organize tasks concurrently to make optimal use of workforce. Minimize task dependencies to avoid 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:

- 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



Results and Discussions:



**Student Resource
Management App**

GANTT CHART



Learning Outcomes: Students should have the ability to

- LO1: List the various activities in the project.
- LO2: Analyze the various activities for schedule.
- LO3: Estimate the time for each activity.
- LO4: Develop a Gantt Chart for the activities.

Outcomes: Upon completion of the course students will be able to use project management tool to prepare schedule for the project.

Conclusion:

Successfully planned the flow and determined ideal time constraints for implementation based on team size and expertise to deliver final product within agreed time bounds.

For Faculty Use

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