

**Assignment 4**

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**Hotel Management System**

**Aim:** Preparing project plan with Gantt chart

**Theory:**

**Gantt chart:**

One of the oldest and still most useful presentation schedule information is the Gantt chart. A Gantt chart is a type of bar chart that illustrates a schedule. This chart lists the project to be performed on the vertical axis and time intervals on the horizontal axis. The width. of the horizontal bars in the graph shows the duration of each Activity.

Gantt charts illustrate the start and finish dates of the terminal elements and Summary elements of project terminal. elements and summary elements constitute the work breakdown structure of the project. modern Gantt chart also show the dependency relationship between the activities Gantt charts are usually created initially using an early start time approach, where each task is scheduled to start" immediately when its prerequisites are complete.

The Gantt chart is the most widely used chart for project management. These charts are useful in planning a project and defining the sequence of tasks that require completion. In most instances, the chart is displayed as a horizontal bar chart.

Horizontal bars of different lengths represent the project timeline, which can include task sequences, duration, and the start and end dates for each task. The horizontal bar also shows how much of a task requires completion.

A Gantt chart helps in scheduling, managing, and monitoring specific tasks and resources in a project. The chart shows the project timeline, which includes scheduled and completed work over a period. The Gantt chart aids project managers in communicating project status or plans and also helps ensure the project remains on track.

## Benefits of a Gantt Chart:

The chart identifies tasks that may be executed in parallel and those that can't be started or finished until others are complete. It can help detect potential bottlenecks and identify tasks that may have been excluded from the project timeline.

The chart depicts things like task slack time or additional time for completion of a task that shouldn't delay the project; noncritical activities that may be delayed; and critical activities that must be executed on time.

Gantt charts can be used in managing projects of all sizes and types. These may include building infrastructure like dams, bridges, and highways. They may also include software development and other technologies. Project management tools, such as Microsoft Visio, Project, SharePoint, and excel, or specialized software, such as Gantt or Match ware, can help in designing Gantt charts.

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## 4 Key Use Cases For Gantt Charts:

Gantt charts can be used by anyone who needs to organize their time and resources, or keep track of deadlines, or show stakeholders a visual map of when key items and milestones are expected to be complete. In essence, they allow you to see what needs to be done when it needs to be done, and who is responsible for doing it.

Here are four key use cases for Gantt charts in project management:

1. **Planning Tasks:** shows what needs to be done, when
2. **Planning Personnel:** shows who needs to do what, when
3. **Planning Physical Resources:** shows what physical items or spaces are needed, when
4. **Tracking Project Deadlines:** shows what will be done, when

ID	Task Name	Duration	Nov	Dec 2020				Jan 2021				Feb 2021				Mar 2021				Apr 2021				May 2021		
			4W	1W	2W	3W	4W	1W	2W	3W	4W	1W	2W	3W	4W	1W	2W	3W	4W	1W	2W	3W	4W	1W	2W	3W
1	Task One																									
1.1	- Sub Task One	2					100%																			
1.2	- Sub Task Two	3					100%																			
1.3	- Sub Task Three	5					100%																			
2	Task Two	3									100%															
3	Task Three	4									100%															
4	Task Four	6													100%											
5	Task Five																									
5.1	- Sub Task One	2													100%											
5.2	- Sub Task Two	2																	100%							
5.3	- Sub Task Three	2																								
5.4	- Sub Task Four	4																								
6	Task Six	4																							100%	

Gantt charts for hotel management system

## Gantt Chart Word Template

Task	2-Jan	9-Jan	16-Jan	23-Jan	30-Jan	6-Feb	13-Feb	20-Feb	27-Feb	6-Mar	13-Mar	20-Mar	27-Mar	3-Apr	10-Apr	17-Apr	24-Apr	1-May	8-May	15-May	22-May
Start Project																					
Requirement Gathering																					
System Build																					
System Testing																					
User Acceptance																					
Integration Testing																					
System Go Live																					

### Final Thoughts:

Gantt Charts are an efficient tool in project management. Their benefits can only be utilized to their full extent when professionals have the training and expertise in project management to enable this outcome. Many certifications in project management can help working professionals upskill themselves and improve their standing in the corporate world.

With anything and everything being a project lately, it is high time for project practitioners globally to improve their skills by gaining knowledge in globally-recognized project management frameworks and best practices. This can be achieved by enrolling in popular project from a registered education provider. Some of the most popular project management certification training courses are offered by Invensis Learning.

## Conclusion:

Using gantt charts, teams plan work around deadlines and properly allocate resources. gantt chart is easy to schedule the tasks, easy to understand, clear and visual representation of time frames.