Experiment 7 : Use Project management tool to Prepare Schedule for project

Aim: Students should be able to identify different tools & implement the Project Management Tool to Prepare schedule for project.

Theory: A Gantt chart is a type of bar chart that represents a project schedule. It visually displays the start and finish dates of various elements of a project, such as tasks, milestones, and activities, along a horizontal timeline. Gantt charts are widely used in project management to plan, schedule, track, and communicate the progress of projects.

Tasks and Activities:

- In a Gantt chart, tasks or activities are represented as horizontal bars or blocks along the timeline.
- Each task is typically labeled with its name or description, allowing stakeholders to easily identify and understand the activities involved in the project.

Timeline:

- The horizontal axis of a Gantt chart represents the project timeline, typically divided into days, weeks, or months, depending on the duration and granularity of the project.
- The timeline provides a visual representation of the project's schedule, allowing stakeholders to see when tasks are scheduled to start and finish.

Bars and Milestones:

- Tasks are represented by bars of varying lengths, with each bar indicating the duration of the task.
- The length of the bar corresponds to the estimated or actual duration of the task, allowing stakeholders to visualize the timeline of each activity.
- Milestones, which are significant points or events in the project, are represented by diamond-shaped symbols placed along the timeline. Milestones mark key achievements, deliverables, or deadlines in the project schedule.

Dependencies and Relationships:

- Gantt charts may include arrows or lines between tasks to represent dependencies or relationships between them.
- Dependencies indicate the sequential order in which tasks must be completed, highlighting the interdependencies and constraints within the project.
- For example, a task may be dependent on the completion of another task before it can start (finish-to-start dependency), or it may require concurrent execution with another task (start-to-start or finish-to-finish dependency).

Resource Allocation:

- Gantt charts may include resource allocation information, such as the assignment of personnel, equipment, or resources to specific tasks.
- Resource allocation data can be represented using color-coding, labels, or additional information attached to each task or bar.
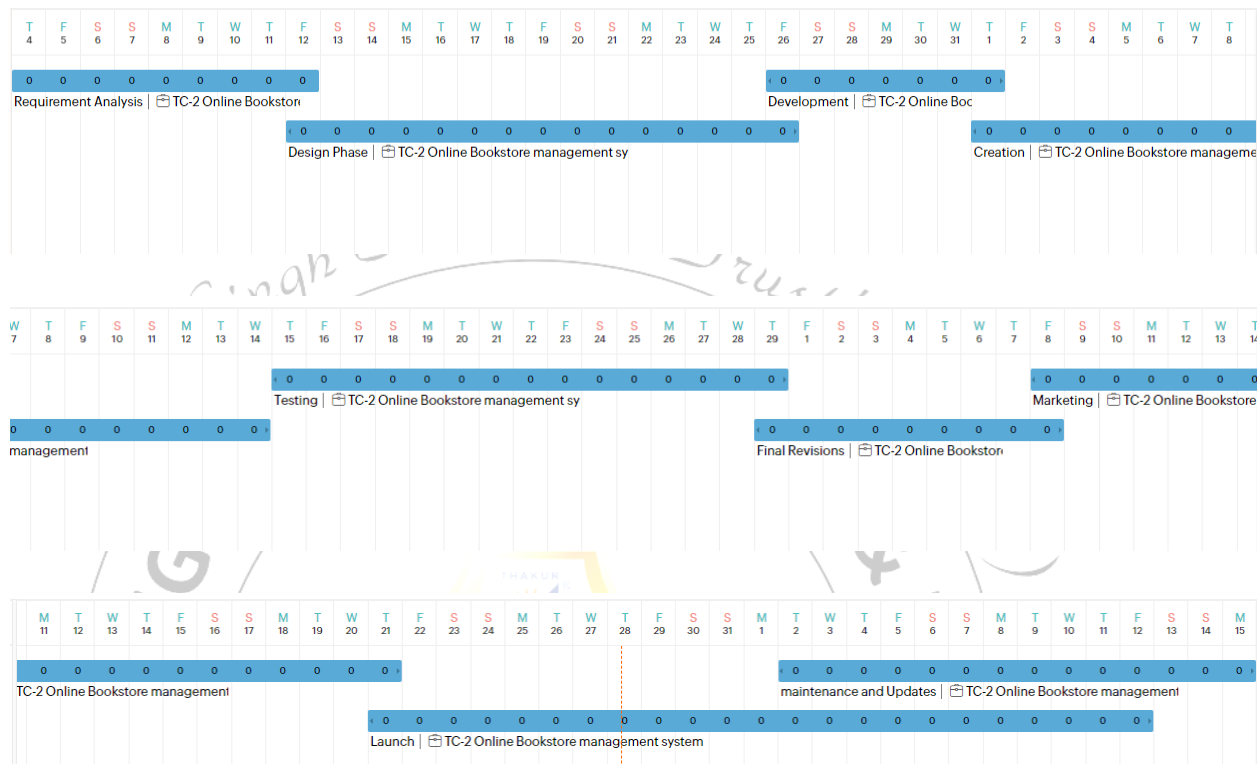
Progress Tracking:

- Gantt charts facilitate progress tracking by allowing stakeholders to compare the planned schedule with the actual progress of the project.
- Progress is typically indicated by shading, coloring, or updating the bars to reflect the current status of each task (e.g., incomplete, in progress, completed).

Communication and Reporting:

- Gantt charts serve as powerful communication tools for project managers, team members, and stakeholders, providing a clear and concise overview of the project schedule.
- They enable project managers to communicate project plans, timelines, and progress updates effectively, facilitating decision-making, coordination, and collaboration among team members and stakeholders.

Implementation:

	#	Task	Status	Start Date	Due Date	Duration
☐	OB1-T2	Design Phase	In Progress	01-12-2024	01-26-2024	15 days
☐	OB1-T3	Development	In Progress	01-26-2024	02-01-2024	7 days
☐	OB1-T4	Creation	In Progress	02-01-2024	02-14-2024	14 days
☐	OB1-T5	Testing	In Progress	02-15-2024	02-29-2024	15 days
☐	OB1-T6	Final Revisions	In Progress	02-29-2024	03-08-2024	9 days
☐	OB1-T7	Marketing	In Progress	03-08-2024	03-21-2024	14 days
☐	OB1-T8	Launch	In Progress	03-21-2024	04-12-2024	23 days
☐	OB1-T9	maintenance and Updates	In Progress	04-12-2024	04-15-2024	4 days

| T 4 | F 5 | S 6 | S 7 | M 8 | T 9 | W 10 | T 11 | F 12 | S 13 | S 14 | M 15 | T 16 | W 17 | T 18 | F 19 | S 20 | S 21 | M 22 | T 23 | W 24 | T 25 | F 26 | S 27 | S 28 | M 29 | T 30 | W 31 | T 1 | F 2 | S 3 | S 4 | M 5 | T 6 | W 7 | T 8 |

Requirement Analysis | TC-2 Online Bookstore

Development | TC-2 Online Boo

Design Phase | TC-2 Online Bookstore management sy

Creation | TC-2 Online Bookstore manageme

| W 7 | T 8 | F 9 | S 10 | S 11 | M 12 | T 13 | W 14 | T 15 | F 16 | S 17 | S 18 | M 19 | T 20 | W 21 | T 22 | F 23 | S 24 | S 25 | M 26 | T 27 | W 28 | T 29 | F 1 | S 2 | S 3 | M 4 | T 5 | W 6 | T 7 | F 8 | S 9 | S 10 | M 11 | T 12 | W 13 | T 14 |

Testing | TC-2 Online Bookstore management sy

Marketing | TC-2 Online Bookstore

management

Final Revisions | TC-2 Online Bookstor

| M 11 | T 12 | W 13 | T 14 | F 15 | S 16 | S 17 | M 18 | T 19 | W 20 | T 21 | F 22 | S 23 | S 24 | M 25 | T 26 | W 27 | T 28 | F 29 | S 30 | S 31 | M 1 | T 2 | W 3 | T 4 | F 5 | S 6 | S 7 | M 8 | T 9 | W 10 | T 11 | F 12 | S 13 | S 14 | M 15 |

TC-2 Online Bookstore management

maintenance and Updates | TC-2 Online Bookstore management

Launch | TC-2 Online Bookstore management system

Conclusion:

For Faculty Use

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