

Software Engineering and Project Management Lab Experiment No. 8

Aim: To Study Project Scheduling using Gantt Chart in ClickUp

Theory:

Project Scheduling

A project schedule is a structured timeline that outlines tasks, milestones, deadlines, and resources required for project completion. It helps project managers plan and organize activities, allocate resources efficiently, set realistic timelines, and track progress. A welldefined project schedule ensures that:

- Tasks are completed on time.
- Resources are managed effectively.
- Team coordination is improved.
- Potential delays or issues are identified early, allowing for timely adjustments.

Gantt Chart

A Gantt chart is a widely used project management tool that visually represents a project schedule. It displays tasks or activities along a timeline, making it easier to track progress.

- The left side of the chart lists project activities.
- The top side represents the timeline.
- Each task is shown as a horizontal bar, where the position and length of the bar indicate the task's start date, duration, and end date.

Project Scheduling in IT Development (Demo in ClickUp)

For our project, we implemented project scheduling in an IT development context as a demonstration. Using ClickUp, we created a basic task schedule to understand how project management tools work. This helped us grasp:

- Task dependencies and workflow organization.
- How to track progress effectively.
- The importance of setting deadlines and milestones.

This exercise provided practical insights into project scheduling and how tools like ClickUp can enhance productivity in IT projects.

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The image shows two screenshots of the ClickUp application interface. The top screenshot is the onboarding screen where the user is prompted to name their workspace. The bottom screenshot shows the main workspace interface with a sidebar, top navigation bar, and a central content area.

Top Screenshot: Onboarding Screen

The browser address bar shows `app.clickup.com/team-setup/reset`. The ClickUp logo is at the top left. The main text reads: "Lastly, what would you like to name your Workspace?". Below this is a text input field containing "Kannya Sambari's Workspace". A note below the field says: "Try the name of your company or organization." At the bottom, there is a progress bar, a "Back" button, and a "Finish" button. A disclaimer at the bottom states: "By completing this form, you agree to our [Terms of Service](#) and [Privacy Policy](#)."

Bottom Screenshot: Main Workspace Interface

The browser address bar shows `app.clickup.com/9016792287/v/o/f/90163944321`. The interface includes a sidebar on the left with navigation options: Home, Inbox, More, Spaces, Everything, Team Space, Projects, Project 2, Project 1, Project Notes, View all Spaces, and Create Space. The top navigation bar includes a search bar, an AI icon, an Upgrade button, and buttons for New, Ask AI, Share, and Automations. The main content area shows a "Team Space / Projects" view with tabs for Overview, Board, List, Calendar, Gantt, and Table. A message at the top of the content area says: "Get the most out of your Overview! Add, reorder, and resize cards to customize this page [Get Started](#)". Below this is a "Filters" section and a "Lists" section. The "Lists" section contains a table with the following data:

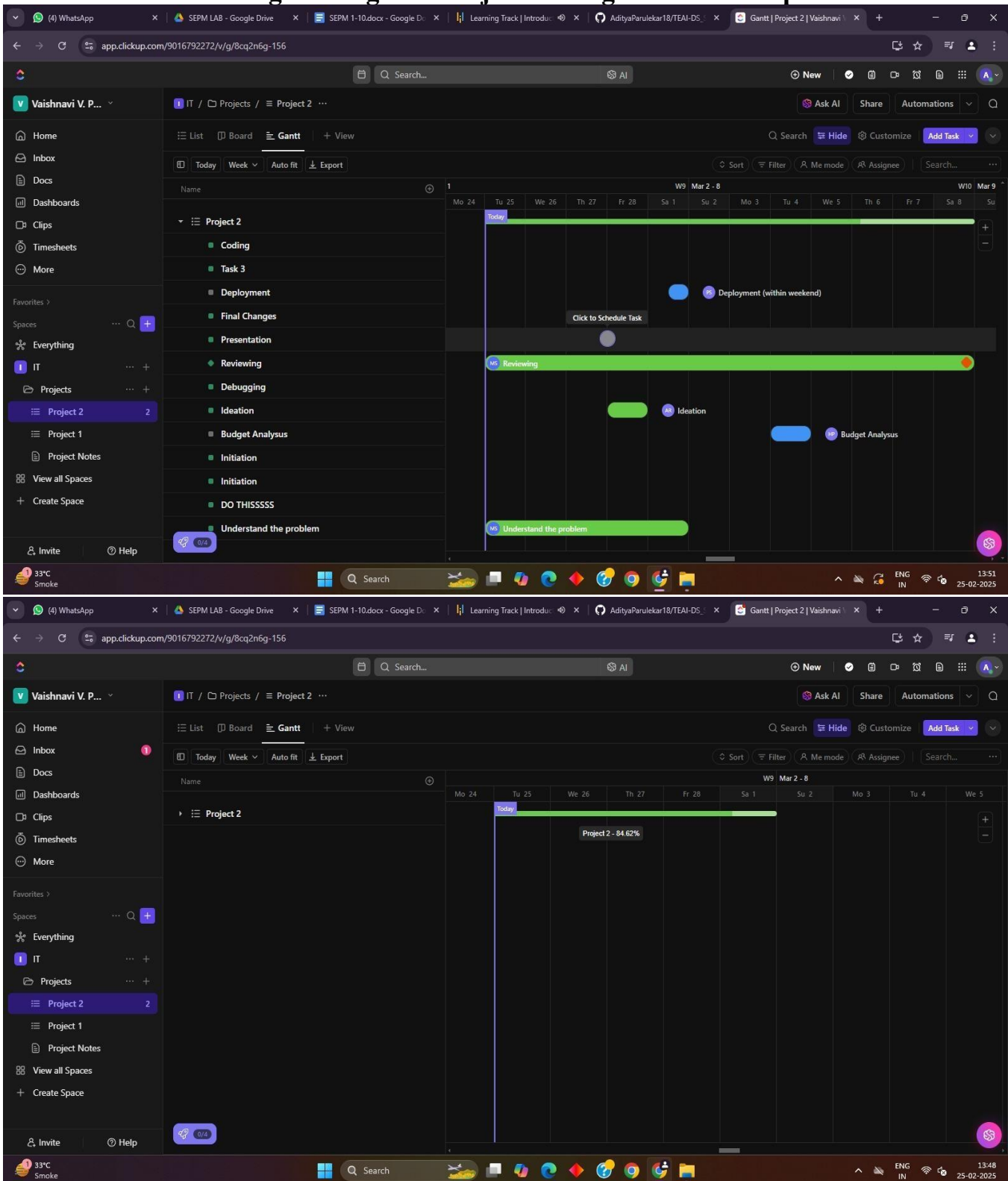
Name	Color	Progress	Start	End	Priority	Owner
Project 2	-	3/3				
Project 1	-	0/3				
+ New List						

The bottom of the interface shows a "Tasks by Assignee" section with a circular progress indicator.

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The image displays two screenshots of the ClickUp Gantt chart interface for Project 2. The top screenshot shows the main Gantt view with tasks like 'Understand the problem', 'Reviewing', 'Task 3', 'Deployment', 'Final Changes', 'Presentation', 'Debugging', 'Ideation', 'Budget Analysis', 'Initiation', and 'DO THISSSSS'. The bottom screenshot shows the same Gantt view with a user profile dropdown menu open, displaying options for Aditya Parulekar, including 'Set status', 'Mute notifications', 'Profile', 'Themes', 'Settings', 'Notification settings', 'Keyboard shortcuts', 'Download apps', 'Referrals', 'Help', 'Trash', and 'Log out'.

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The top screenshot shows the ClickUp interface with a task creation modal open for 'Project 2'. The modal title is 'Understand the problem'. It includes fields for 'Add description', 'Write with AI', 'TO DO', 'Tomorrow', 'Priority', and 'Tags'. There is a 'Create Task' button at the bottom right. The background shows a Gantt chart view for 'Project 2'.

The bottom screenshot shows the 'Coding' task details for 'Project 2'. The task status is 'COMPLETE'. It includes fields for 'Assignees', 'Dates', 'Time Estimate', 'Tags', 'Priority', 'Track Time', and 'Relationships'. There is a 'Write with AI' button. The right sidebar shows the 'Activity' log with two entries: 'Vaishnavi V. Poti' (12 mins) and 'Aditya Parulekar' (1 min). The bottom status bar shows the system clock as 13:44 on 25-02-2025.

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The top screenshot displays the ClickUp interface for a task titled "Coding". The task is marked as "COMPLETE". The interface includes a sidebar with navigation options like Home, Inbox, Docs, Dashboards, Clips, Timesheets, and More. The main area shows the task details, including a description, status, dates, time estimate, and tags. A right-hand panel shows the activity feed, including a comment from "Vaishnavi V. Poti" and a status change from "In Progress" to "Complete".

The bottom screenshot shows the ClickUp interface for a project titled "Project 2". The project is in the "IN PROGRESS" status. The interface includes a sidebar with navigation options like Home, Inbox, Docs, Dashboards, Clips, Timesheets, and More. The main area shows a list of tasks, including "Reviewing", "Final Changes", "Presentation", "Debugging", "Ideation", and "Budget Analysis". The tasks are assigned to various team members, and their due dates and priorities are listed.

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The screenshot displays the ClickUp project management interface. The top navigation bar includes a search bar, a 'New' button, and options for 'Ask AI', 'Share', and 'Automations'. The left sidebar shows a navigation menu with 'Home', 'Inbox', 'Docs', 'Dashboards', 'Clips', 'Timesheets', and 'More'. Below this, there's a 'Favorites' section and a 'Spaces' section with 'Everything' and 'IT' (selected). The main workspace is divided into two views: 'Board' (Kanban) and 'List' (Table).

Board View (Top):

- TO DO (4):** Task 2, Task 3, Task 2, Task 3.
- IN PROGRESS (7):** Task 1, Reviewing, Final Changes, Presentation, Debugging, Ideation, Budget Analysis.
- COMPLETE (2):** Coding, Deployment.

List View (Bottom):

The 'List' view shows a table of tasks under the 'IT / Projects / Project 2' space.

Name	Assignee	Due date	Priority	
Reviewing	MS		P	
Deployment	PS		P	
Final Changes	VP		P	
Presentation	K		P	
+ Add Task				

Below the 'IN PROGRESS' section, there's a 'TO DO' section with 2 tasks:

Name	Assignee	Due date	Priority	
Task 2	R		P	
Task 3	R		P	
+ Add Task				

The bottom of the interface shows a task summary for 'Coding' (COMPLETE) and an 'Undo' button. The system tray at the bottom indicates a temperature of 33°C and the date 25-02-2025.

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The image displays two screenshots of the ClickUp project management application. The top screenshot shows a project named 'Project 2' with a task list. A dropdown menu is open, showing status options: NOT STARTED, TO DO, ACTIVE, IN PROGRESS (selected), and COMPLETE. The bottom screenshot shows the same project with the task list updated. The 'IN PROGRESS' status is selected, and the task list now includes 'Task 2' and 'Task 3'.

Task List Data (from bottom screenshot):

Name	Assignee	Due date	Priority
Coding	AP		
Reviewing	MS		
Deployment	PS		
Final Changes	VP		
Presentation	K		
Task 2	R		
Task 3	R		

Conclusion:

Thus, we have successfully studied and implemented Project Scheduling using Gantt Chart in ClickUp.