

Experiment 8 : To Study Project Scheduling Using Gantt Chart Using Clickup.

Aim : The primary aim of this study is to analyze and understand project scheduling using Gantt charts in ClickUp, a modern project management tool. The objective is to explore how Gantt charts facilitate project planning, task allocation, timeline tracking, and overall project execution. Additionally, this study aims to highlight the benefits of using ClickUp for scheduling tasks, setting dependencies, and managing team collaboration efficiently.

Theory :

Theory of Project Scheduling Using ClickUp -

Introduction to Project Scheduling

Project scheduling is a crucial aspect of project management that involves planning, organizing, and controlling project tasks to ensure timely completion. A well-structured project schedule helps teams coordinate activities, allocate resources efficiently, and track progress against deadlines.

Traditionally, project managers used manual methods like spreadsheets or paper-based scheduling

techniques. However, modern **project management tools like ClickUp** offer **advanced digital scheduling solutions** that enhance efficiency, accuracy, and collaboration.

Project Scheduling in ClickUp

ClickUp is a **cloud-based project management platform** that provides a range of tools for scheduling, tracking, and managing tasks efficiently. One of its most powerful features is the **Gantt Chart**, which enables project managers to **visualize the project timeline, track dependencies, and monitor progress**.

Key Features of Project Scheduling in ClickUp

ClickUp offers multiple features that help streamline project scheduling:

1. Task Creation & Scheduling

- Users can create tasks, set due dates, and define priorities.
- Tasks can be categorized into different stages such as "To Do," "In Progress," and "Completed."

2. Gantt Charts for Visual Scheduling

- ClickUp provides an interactive **Gantt Chart** that visually represents the project timeline.
- Tasks are displayed along a timeline, making it easy to understand project flow.

3. Task Dependencies

- ClickUp allows project managers to set **task dependencies**, ensuring that tasks are completed in the correct order.
- Example: A design phase must be completed before the development phase can begin.

4. Resource & Workload Management

- ClickUp's **Workload View** ensures that tasks are evenly distributed among team members.
- Managers can monitor who is overloaded and reassign tasks accordingly.

5. Time Tracking & Reporting

- Built-in time tracking enables team members to log work hours.
- Reports help managers evaluate efficiency and make data-driven decisions.

6. Automation for Efficiency

- ClickUp offers automation features that trigger actions based on predefined conditions.
- Example: When a task is marked "Completed," it can automatically notify the next team member in the workflow.

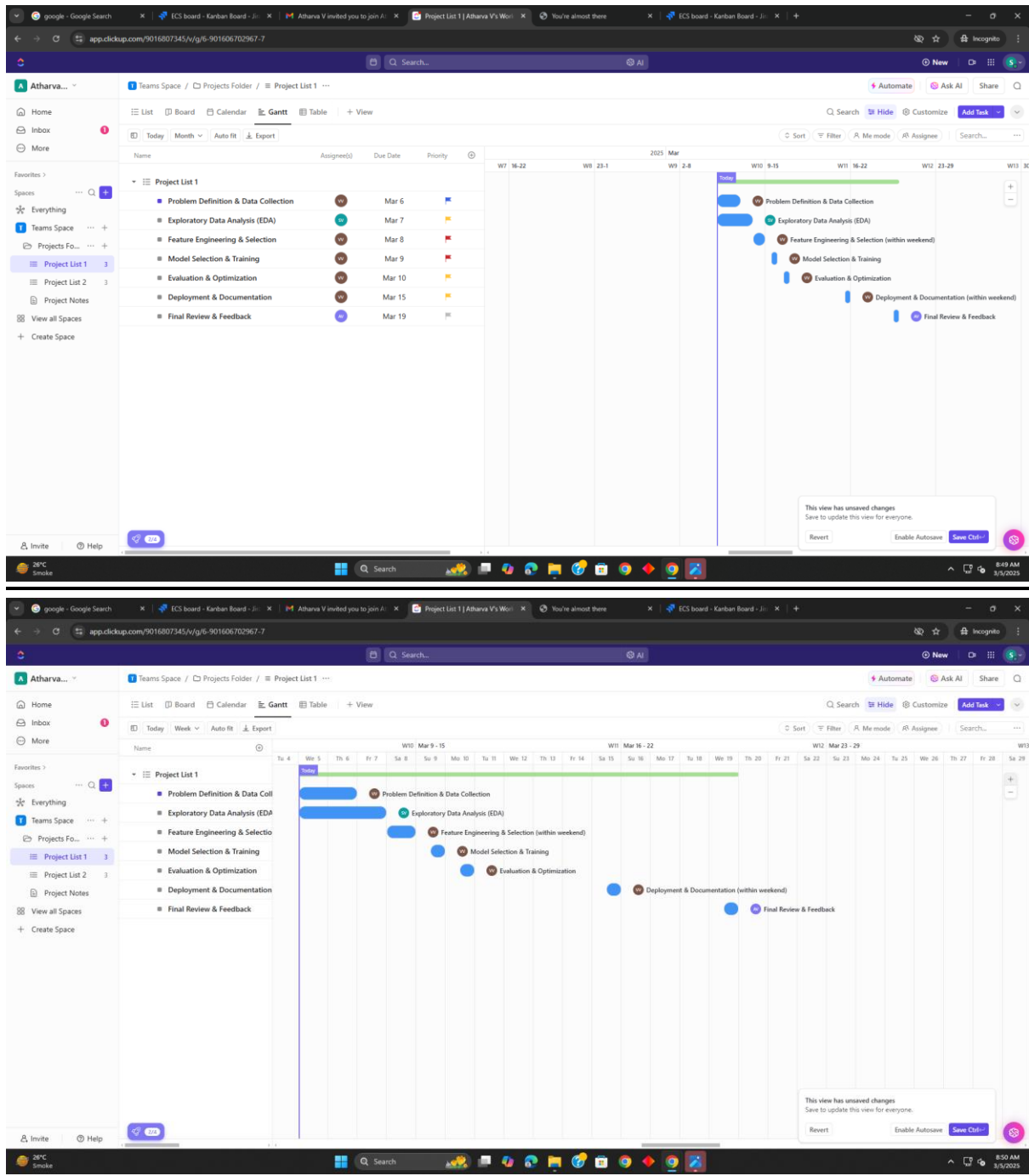
7. Collaboration & Communication

- Teams can use ClickUp's comment section, chat, and document-sharing features to communicate effectively.
- Integrations with tools like Slack, Google Drive, and Microsoft Teams enhance productivity.

Benefits of Project Scheduling Using ClickUp

- **Better Time Management** – Helps teams stay on track with deadlines.
- **Improved Productivity** – Reduces confusion and enhances task execution.
- **Clear Task Prioritization** – Ensures that high-priority tasks are completed first.
- **Enhanced Team Collaboration** – Centralized platform for seamless teamwork.
- **Real-time Progress Monitoring** – Enables proactive problem-solving.

Implementation :



The image displays two screenshots of a project management application, likely Asana, used for managing a project titled "Project List 1".

Top Screenshot: Gantt Chart View

- Project List 1** is expanded, showing a list of tasks: Problem Definition & Data Collection, Exploratory Data Analysis (EDA), Feature Engineering & Selection, Model Selection & Training, Evaluation & Optimization, Deployment & Documentation, and Final Review & Feedback.
- The **Gantt** view shows the timeline of these tasks across weeks. The timeline is divided into three sections: **W9 Mar 2 - 8**, **W10 Mar 9 - 15**, and **W11 Mar 16 - 22**.
- Tasks are represented by horizontal bars indicating their duration. For example, "Problem Definition & Data Collection" spans from Wednesday, March 2nd to Thursday, March 3rd.
- A notification at the bottom right states: "This view has unsaved changes. Save to update this view for everyone." with buttons for "Revert", "Enable Autosave", and "Save Ctrl+S".

Bottom Screenshot: Task Detail View

- The task **Model Selection & Training** is selected, showing its details.
- Status:** COMPLETE (indicated by a green bar).
- Assignees:** One assignee is listed.
- Priority:** Urgent (indicated by a red flag icon).
- Time Estimate:** Empty.
- Track Time:** Add time.
- Relationships:** Empty.
- Details:** The task description is "Choose ML models (Decision Tree, Clustering, etc.), split the dataset, and train models."
- Custom Fields:** A section for creating custom fields.
- Attachments:** A section for uploading files.
- Activity:** A list of recent activity, showing a comment by "Hedelia Vitorini" changed the status from "To Do" to "Complete" 7 minutes ago.

The image displays two screenshots of a web-based task management application, likely Trello or Asana, showing task details for two different tasks.

Top Screenshot: Problem Definition & Data Collection

- Task ID:** 86cy62vrx
- Status:** COMPLETE
- Assignees:** Vedika Vaswani
- Priority:** Normal
- Due Date:** Today → Tomorrow
- Time Estimate:** Empty
- Track Time:** Add time
- Tags:** Empty
- Relationships:** Empty
- Description:** Define project objectives, gather the UNSW-NB15 dataset, and clean the data.
- Activity:** Vedika Vaswani changed status from In Progress to Complete 8 mins ago.

Bottom Screenshot: Feature Engineering & Selection

- Task ID:** 86cy62vzw
- Status:** COMPLETE
- Assignees:** Vedika Vaswani
- Priority:** Urgent
- Due Date:** Sat → Sat
- Time Estimate:** Empty
- Track Time:** Add time
- Tags:** Empty
- Relationships:** Empty
- Description:** Perform feature extraction, apply feature selection (e.g., for Decision Tree), and preprocess data.
- Activity:** Vedika Vaswani changed status from To Do to Complete 8 mins ago.

The image displays two screenshots of the app.clickup.com web application, showing task details for two different projects.

Top Screenshot: Evaluation & Optimization

- Task:** 86cy62yey (AI)
- Status:** COMPLETE
- Dates:** Start: Mon
- Time Estimate:** Empty
- Tags:** Empty
- Assignees:** Empty
- Priority:** High
- Track Time:** Add time
- Relationships:** Empty

Description: Assess model performance using metrics (accuracy, precision, recall, etc.), tune hyperparameters.

Activity: Vedika Vaswani changed status from To Do to Complete (8 mins ago).

Custom Fields: Create Custom Field

Attachments: Drop your files here to upload

Task Updated by Another User: 1 task updated by another user: Evaluation & Optimization

Bottom Screenshot: Deployment & Documentation

- Task:** 86cy62y6 (AI)
- Status:** COMPLETE
- Dates:** Mar 13 → Mar 13
- Time Estimate:** Empty
- Tags:** Empty
- Assignees:** Empty
- Priority:** High
- Track Time:** Add time
- Relationships:** Empty

Description: Add description, Write with AI

Activity: Vedika Vaswani changed status from In Progress to Complete (7 mins ago).

Custom Fields: Create Custom Field

Attachments: Drop your files here to upload

The image displays two screenshots of the app.clickup.com web application, showing task details for two different tasks in a Teams Space.

Top Screenshot: Deployment & Documentation

- Task ID:** 86cy62yr6
- Status:** COMPLETE
- Dates:** Mar 13 → Mar 13
- Time Estimate:** Empty
- Tags:** Empty
- Assignees:** Empty
- Priority:** High
- Track Time:** Add time
- Relationships:** Empty

Activity:

- Vedika Vassani changed status from **In Progress** to **Complete** 7 mins

Custom Fields: + Create Custom Field

Attachments: Drop your files here to upload

Write a comment... [Send]

Bottom Screenshot: Exploratory Data Analysis (EDA)

- Task ID:** 86cy62tvv
- Status:** COMPLETE
- Dates:** Today → Fri
- Time Estimate:** Empty
- Tags:** Empty
- Assignees:** Empty
- Priority:** High
- Track Time:** Add time
- Relationships:** Empty

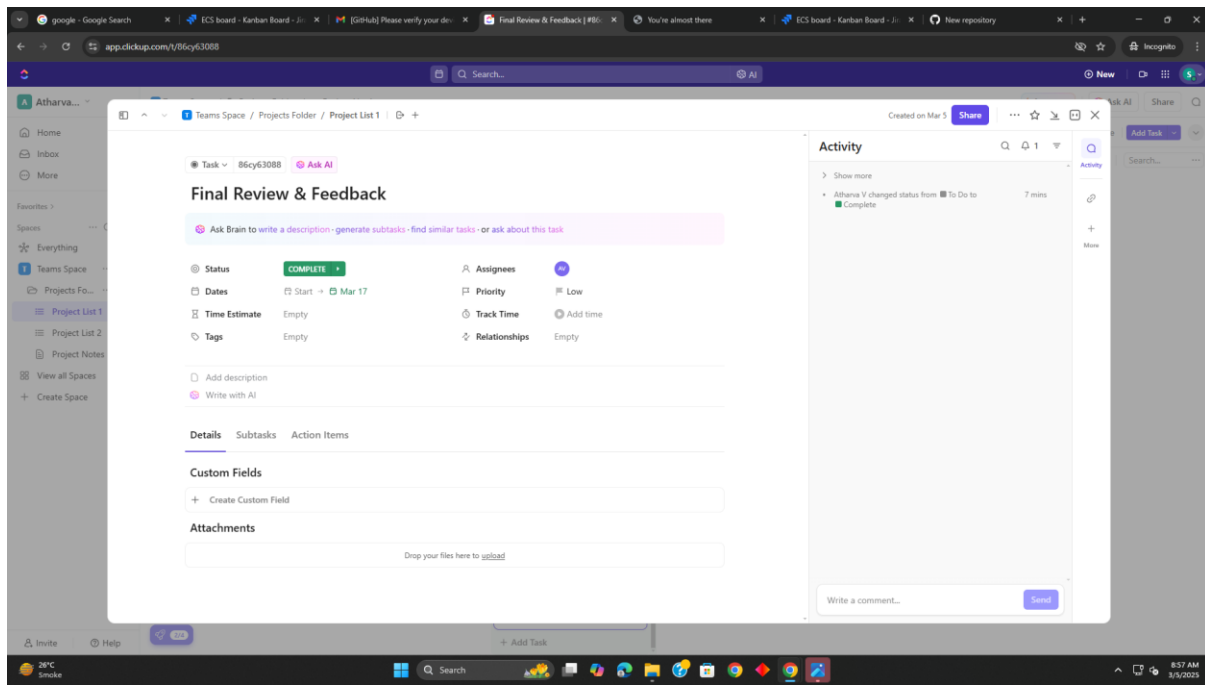
Activity:

- You changed status from **To Do** to **Complete** 7 mins

Custom Fields: + Create Custom Field

Attachments: Drop your files here to upload

Write a comment... [Send]



Conclusion : Thus we have successfully implemented Project management using ClickUp.