Experiment 8 : To Study Project Scheduling Using Gnatt 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**

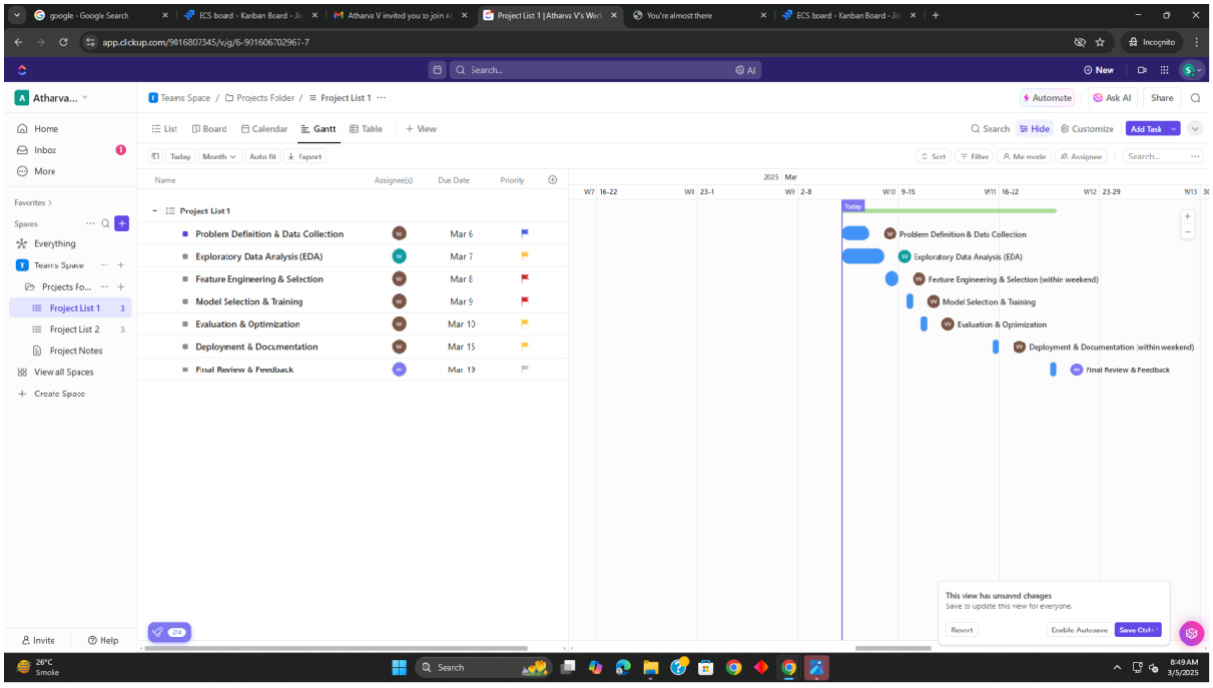
- ClickUp offers automation features that trigger actions based on predefined conditions.
- Example: When a task is marked "Completed," it can automatically notify the next team member in the workflow.

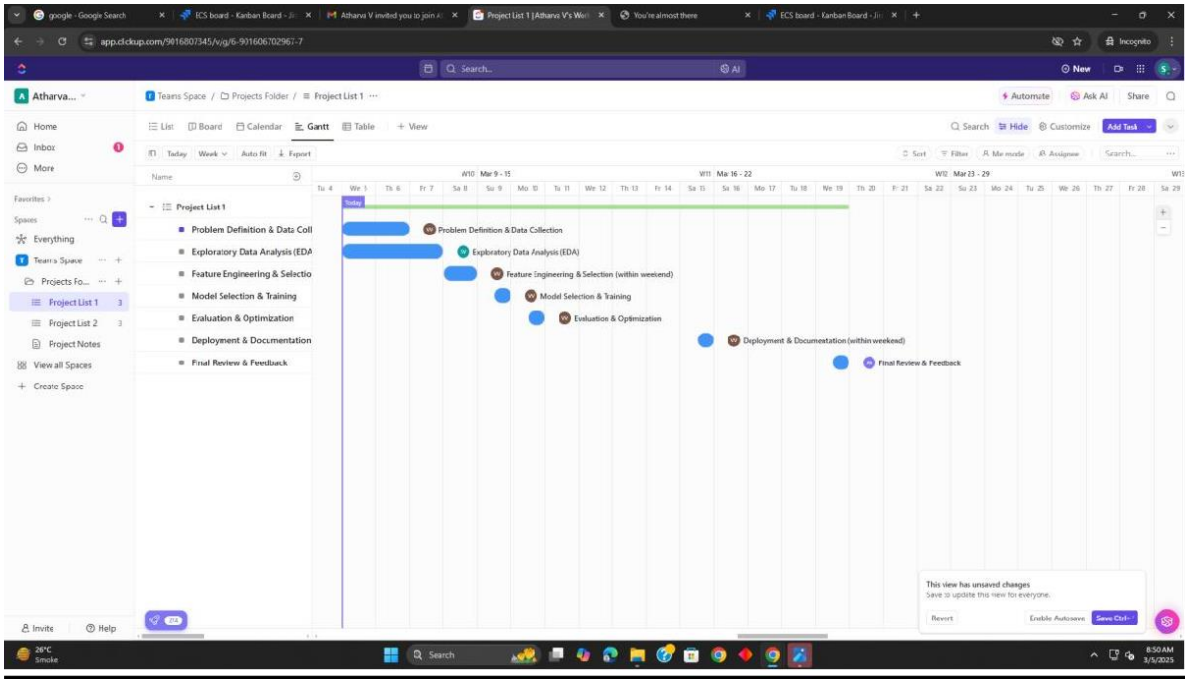
7. **Collaboration & Communication**
   - Teams can use ClickUp's comment section, chat, and document-sharing features to communicate effectively.
   - Integrations with tools like Slack, Google Drive, and Microsoft Teams enhance productivity.

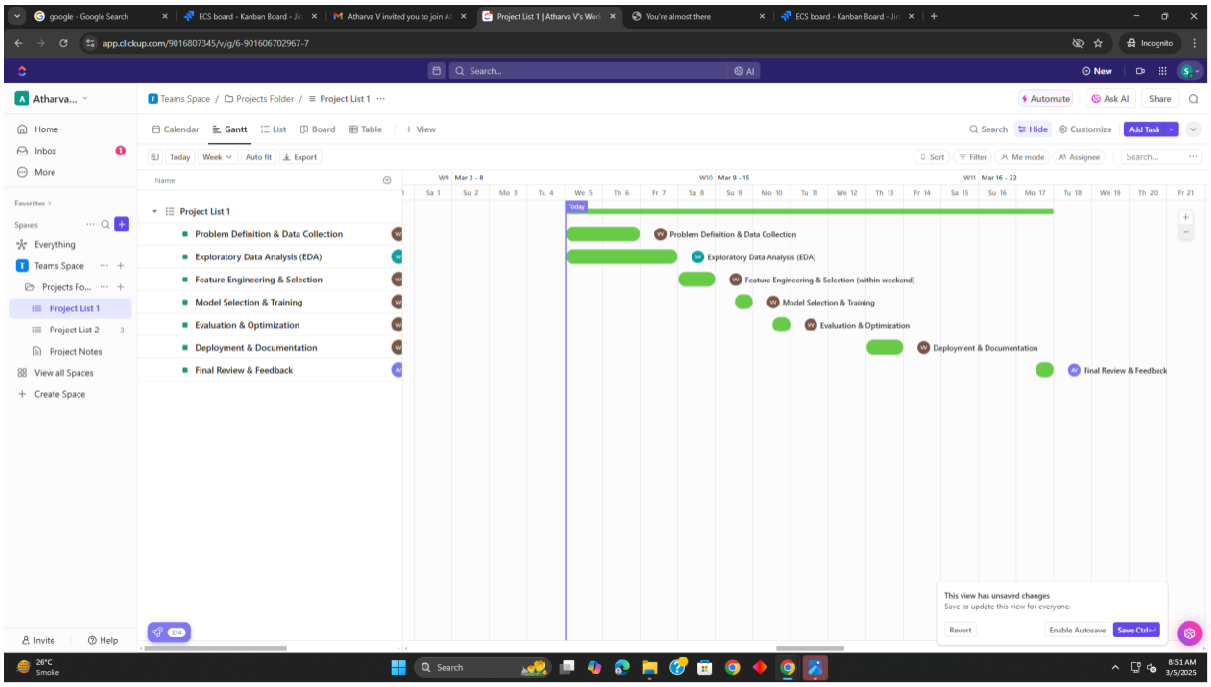
Benefits of Project Scheduling Using ClickUp

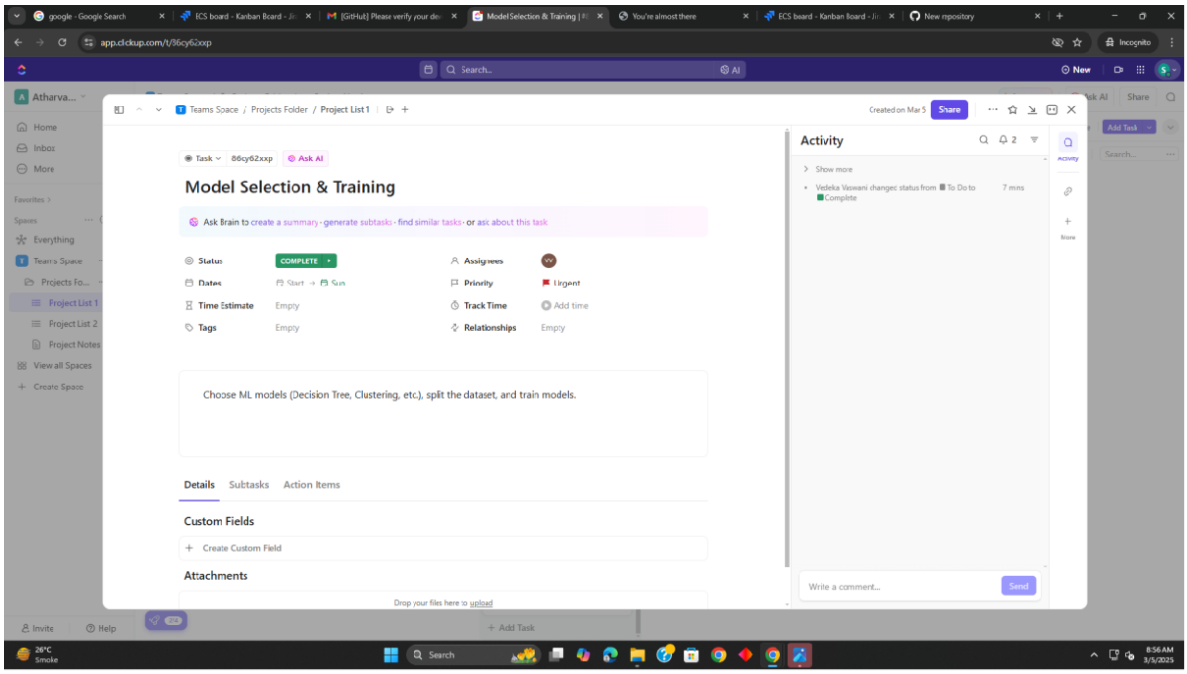
- **Better Time Management** – Helps teams stay on track with deadlines.
- **Improved Productivity** – Reduces confusion and enhances task execution.
- **Clear Task Prioritization** – Ensures that high-priority tasks are completed first.
- **Enhanced Team Collaboration** – Centralized platform for seamless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

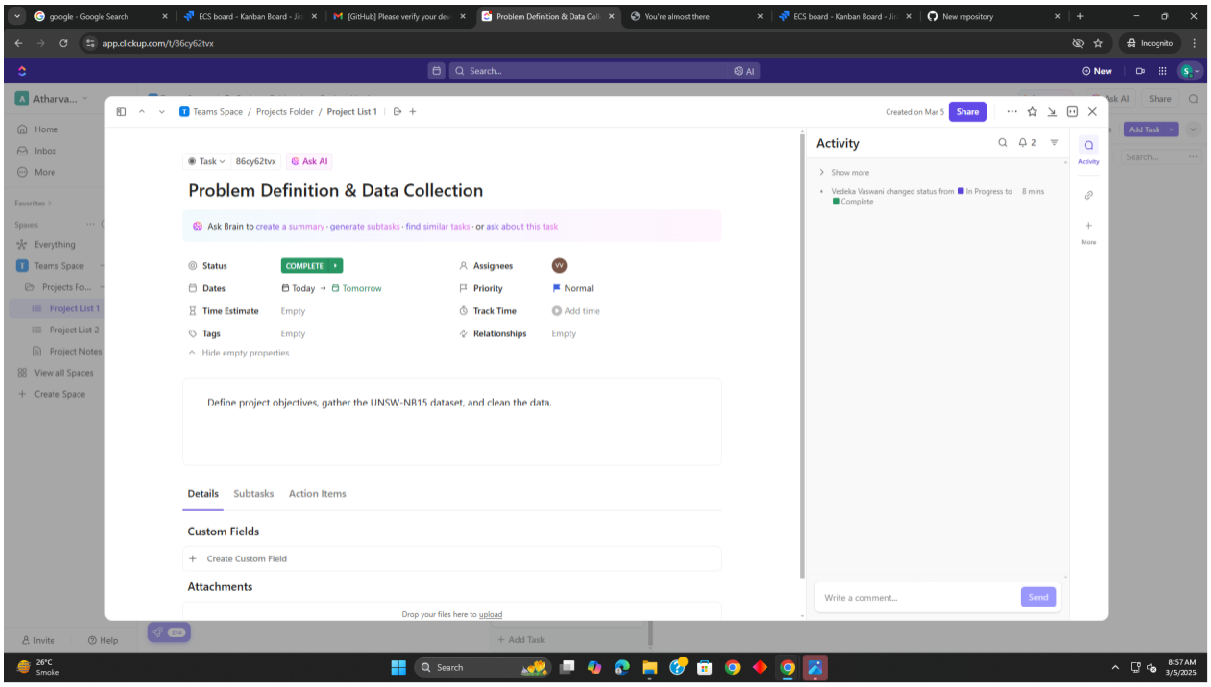
Implementation :

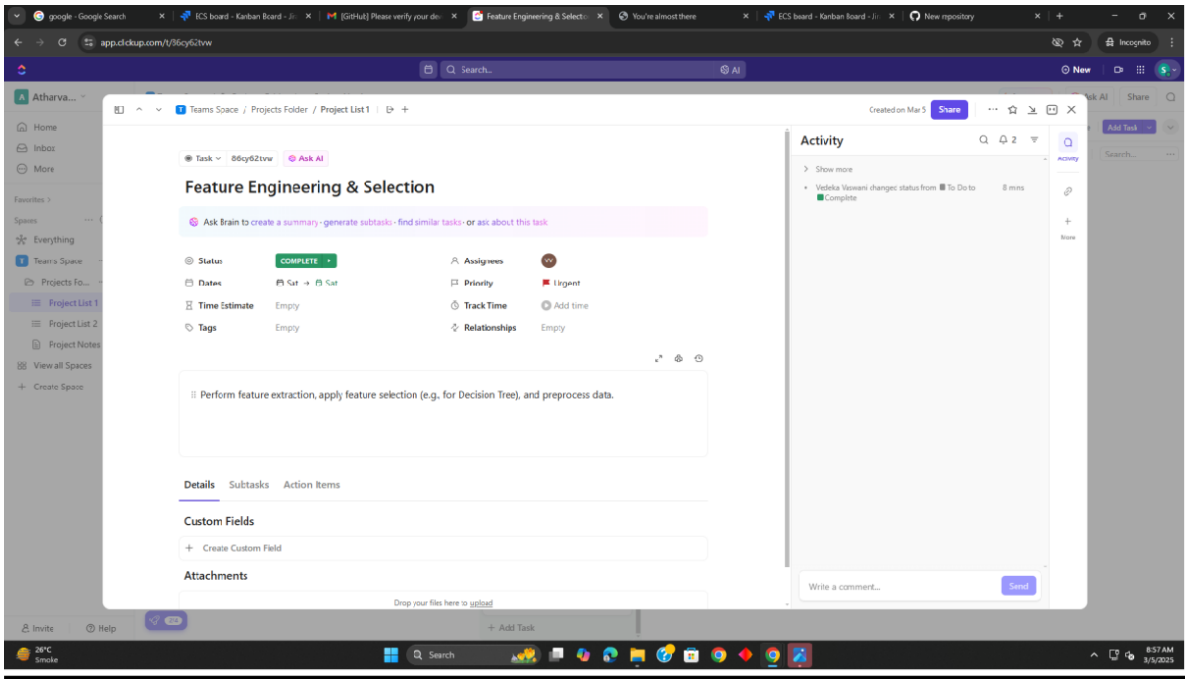


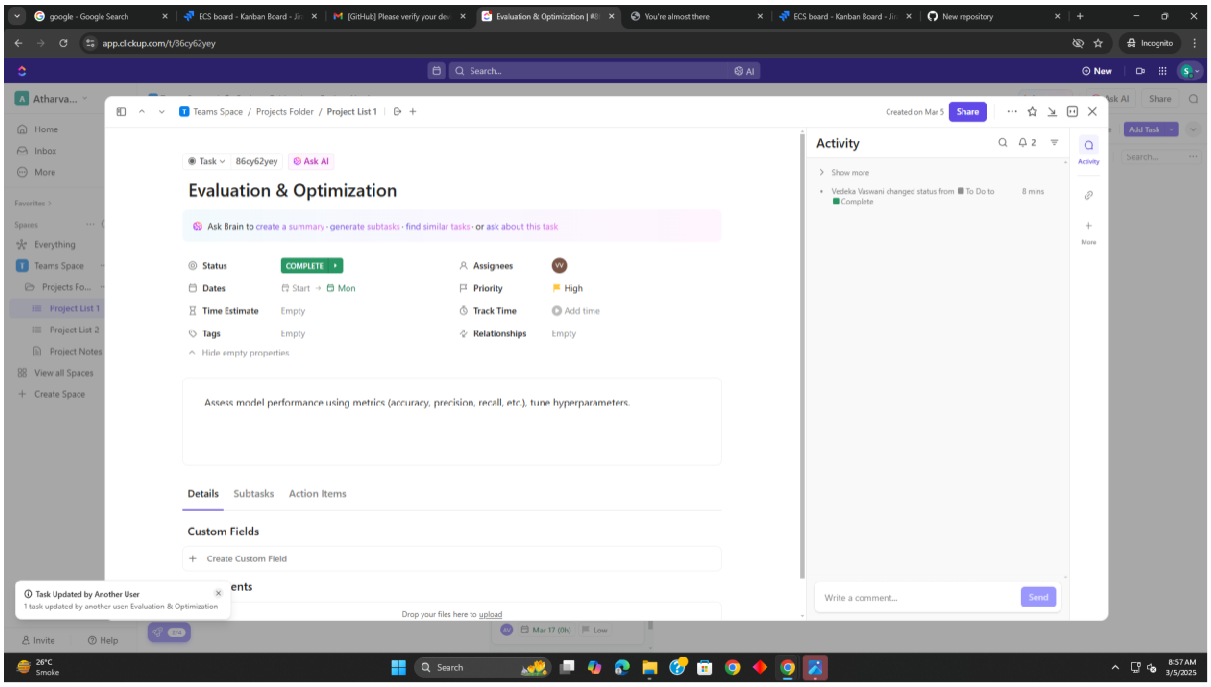


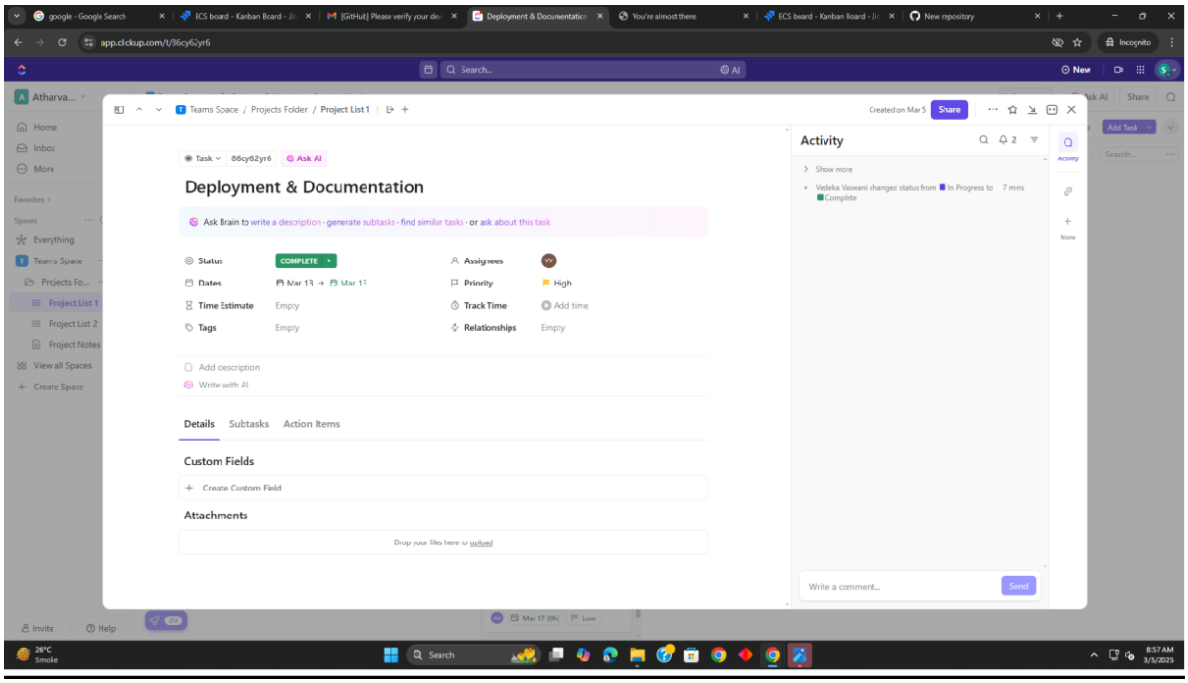

Project List 1
Problem Definition & Data Collection
Exploratory Data Analysis (EDA)
Feature Engineering & Selection
Model Selection & Training
Evaluation & Optimization
Deployment & Documentation
Final Review & Feedback
This view has unsaved changes

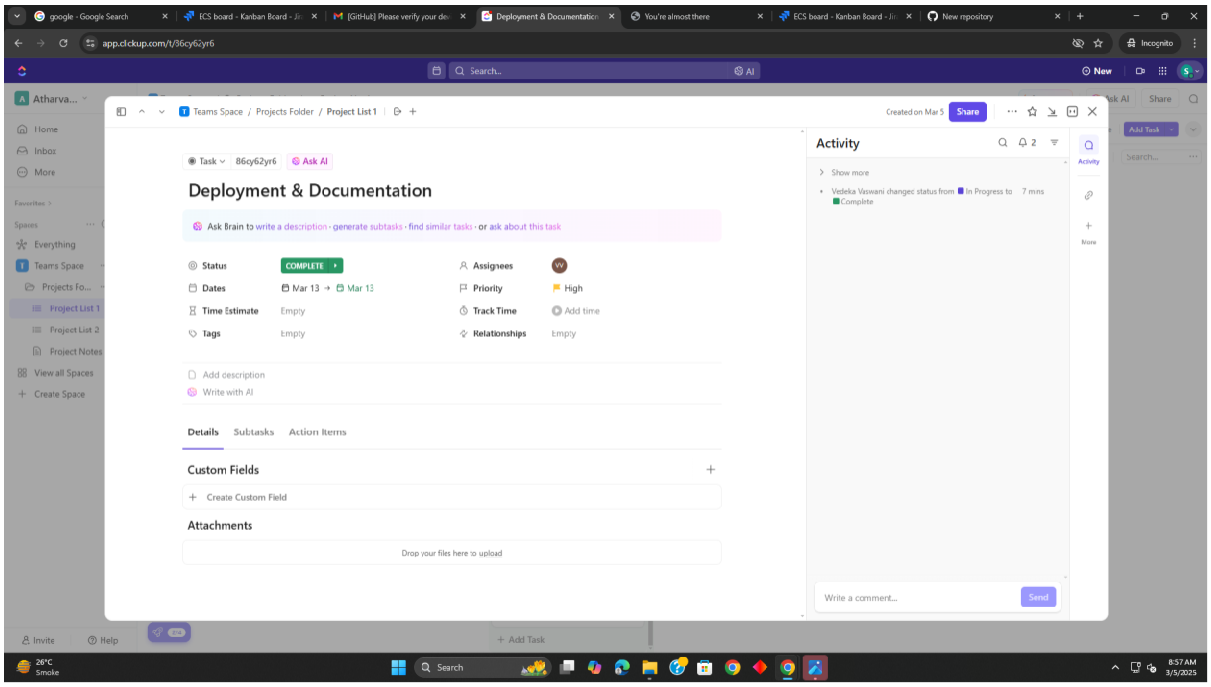

Model Selection & Training
Ask Brain to create a summary · generate subtasks · find similar tasks · or ask about this task
Status
COMPLETE
Assignees
Dates
Priority
Urgent
Time Estimate
Track Time
Tags
Relationships
Choose ML models (Decision Tree, Clustering, etc.), split the dataset, and train models.
Details
Subtasks
Action Items
Custom Fields
Create Custom Field
Attachments
Activity
Write a comment...
Send


Problem Definition & Data Collection
Define project objectives, gather the UNSW-NB15 dataset, and clean the data.
Details
Subtasks
Action Items
Custom Fields
Attachments
Activity


Feature Engineering & Selection
Perform feature extraction, apply feature selection (e.g., for Decision Tree), and preprocess data.
Details
Subtasks
Action Items
Custom Fields
Attachments
Activity


Evaluation & Optimization
Assess model performance using metrics (accuracy, precision, recall, etc), tune hyperparameters.
Activity
Details
Subtasks
Action Items
Custom Fields
Create Custom Field
Write a comment...
Send


Deployment & Documentation
Activity
Details
Subtasks
Action Items
Custom Fields
Create Custom Field
Attachments
Write a comment...
Send


Deployment & Documentation
Activity
Status
COMPLETE
Assignees
Dates
Priority
High
Time Estimate
Track Time
Tags
Relationships
Details
Subtasks
Action Items
Custom Fields
Create Custom Field
Attachments
Drop your files here to upload
Write a comment...
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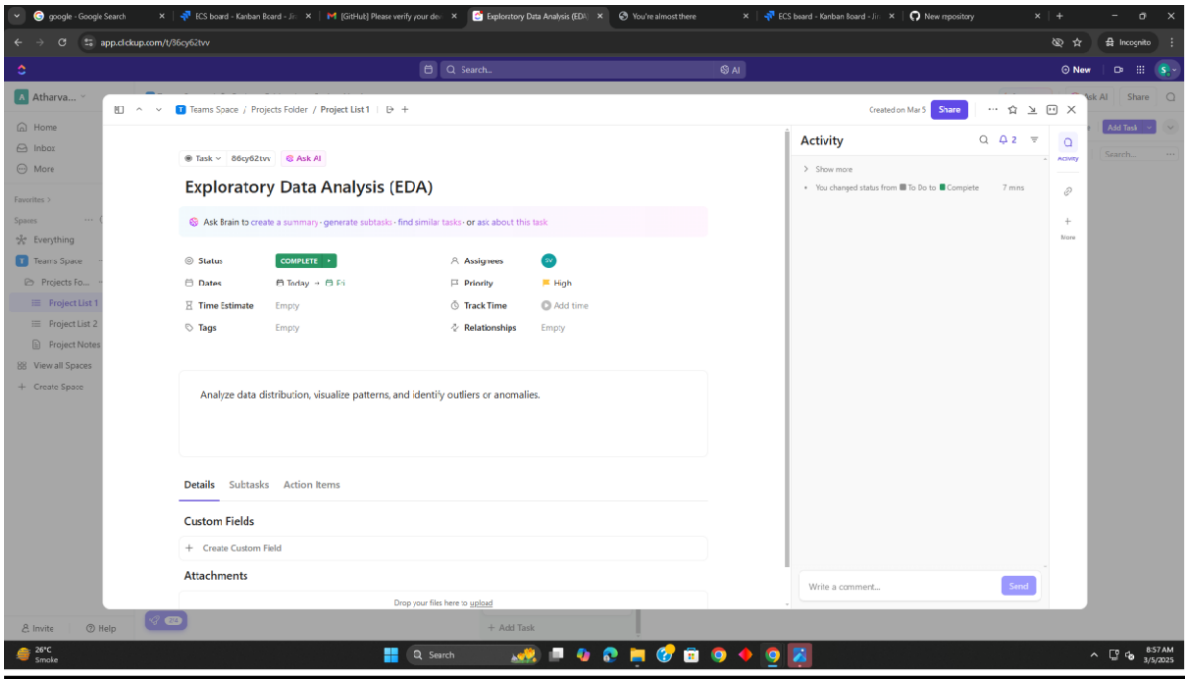
Exploratory Data Analysis (EDA)
Activity
Status
COMPLETE
Assignees
Dates
Priority
High
Time Estimate
Track Time
Tags
Relationships
Analyze data distribution, visualize patterns, and identify outliers or anomalies.
Details
Subtasks
Action Items
Custom Fields
Create Custom Field
Attachments
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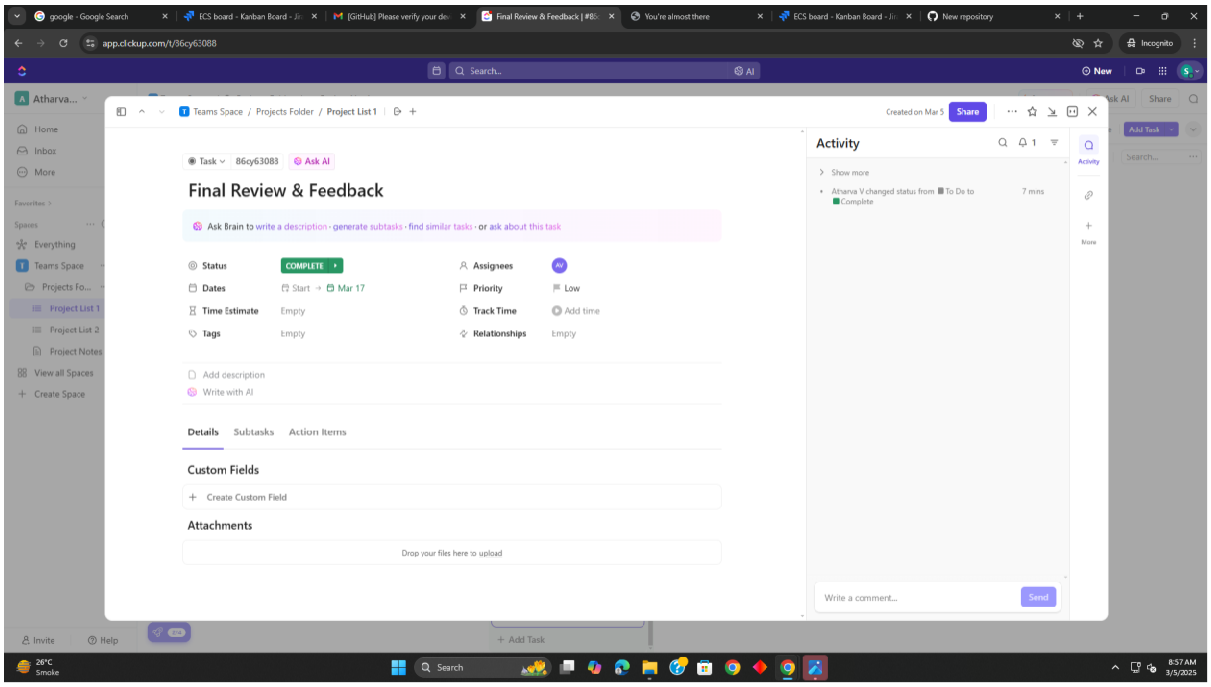

Conclusion : Thus we have successfully implemented Project management using ClickUp.