

## Experiment 08

**Aim:**

To Study Project Scheduling Using Gantt chart in ClickUp.

**Theory:****Project Scheduling-**

A project schedule is a timeline that outlines the tasks, milestones, deadlines, and resources required for completing a project. It helps project managers organise and plan the sequence of activities, allocate resources efficiently, set realistic timelines, and monitor progress. Having a clear project schedule is crucial for a project manager as it ensures tasks are completed on time, helps in managing resources effectively, allows for better coordination among team members, and assists in identifying potential issues or delays, enabling timely adjustments to keep the project on track.

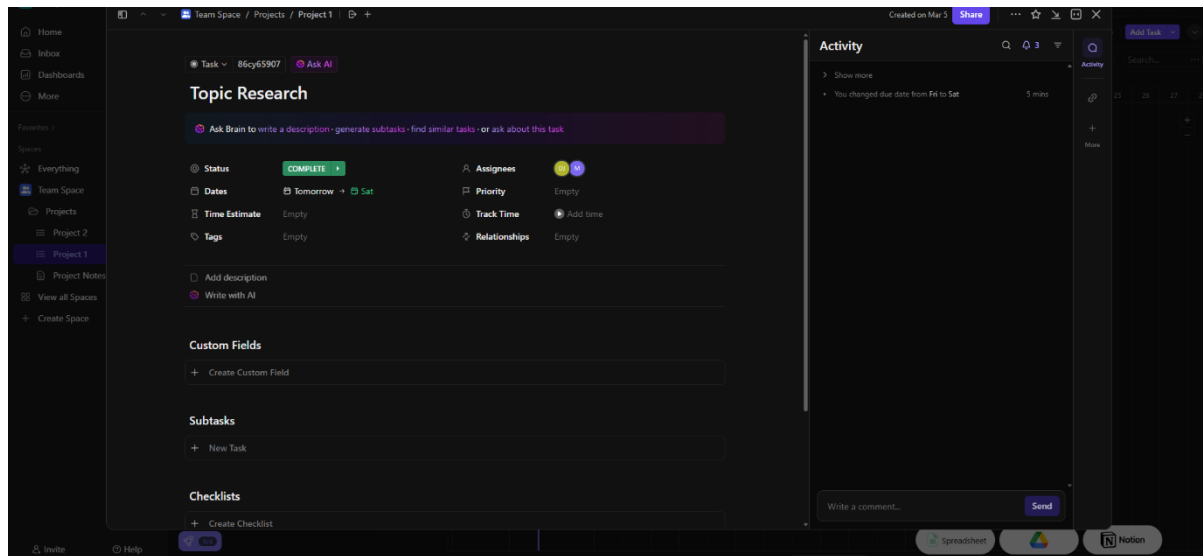
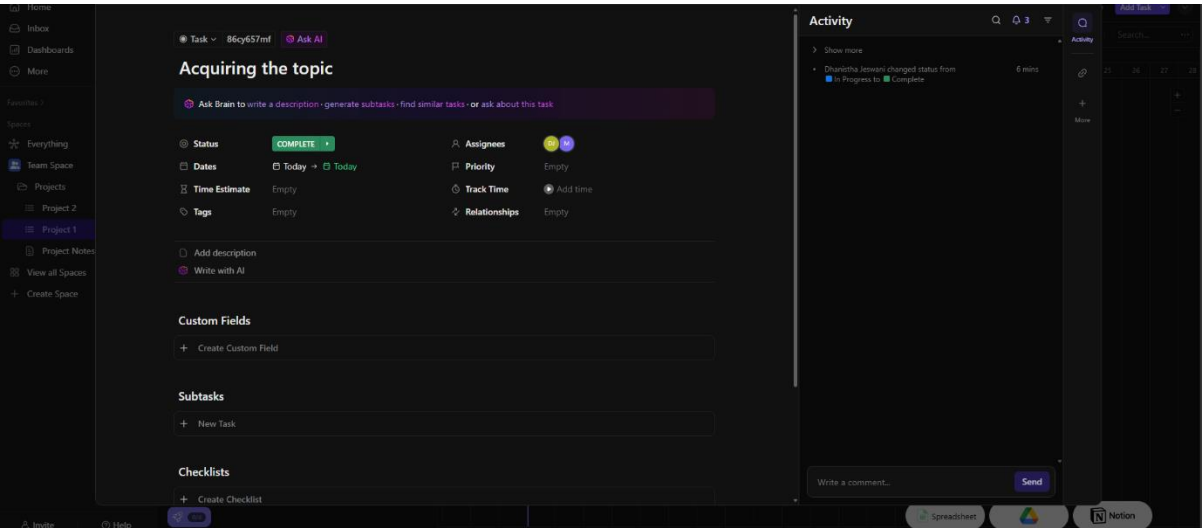
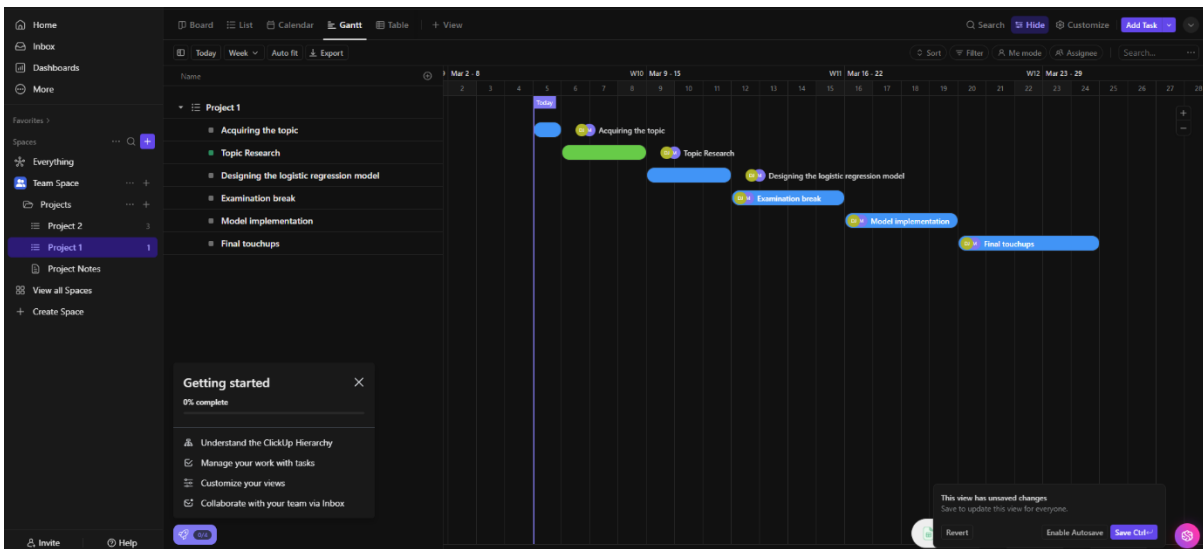
**Gantt chart-**

A Gantt chart, commonly used in project management, is one of the most popular and useful ways of showing activities (tasks or events) displayed against time. On the left of the chart is a list of the activities and along the top is a suitable time scale. Each activity is represented by a bar; the position and length of the bar reflects the start date, duration and end date of the activity.

**About the topic-**

It is a Logistic regression Model designed on Agricultural decision making based on soil characteristics and various other environmental factors. Our dataset Encompasses of essential parameters such as soil composition (Nitrogen,potassium and phosphorus contents of the soil as well as the pH level of the soil) and location specific variables such as temperature, humidity and rainfall. Our model leverages these inputs and aims to predicts the most suitable crop for a given soil and environmental conditions.

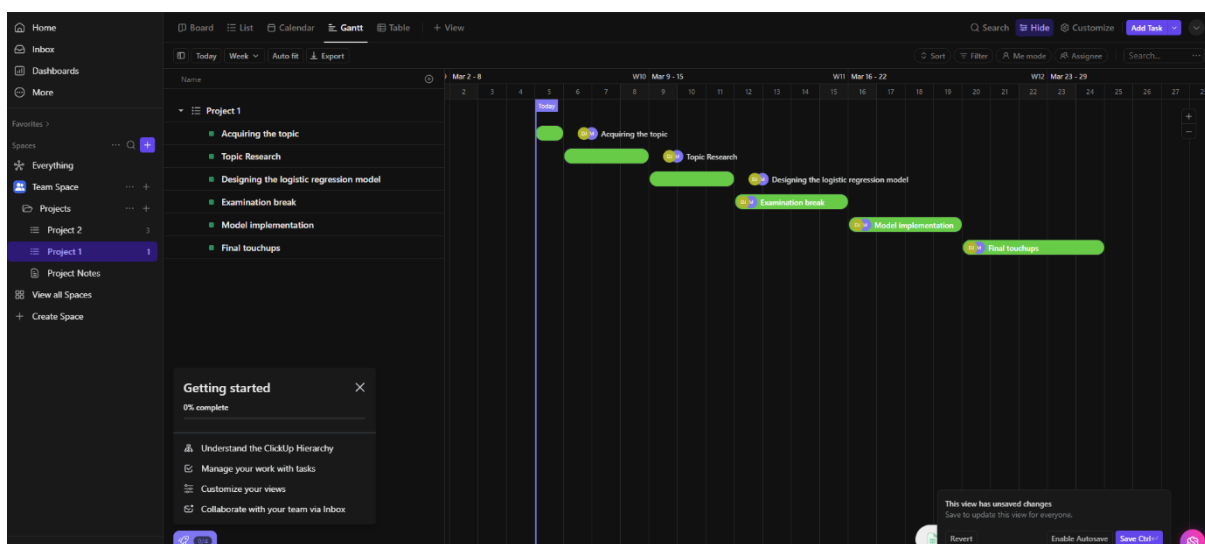
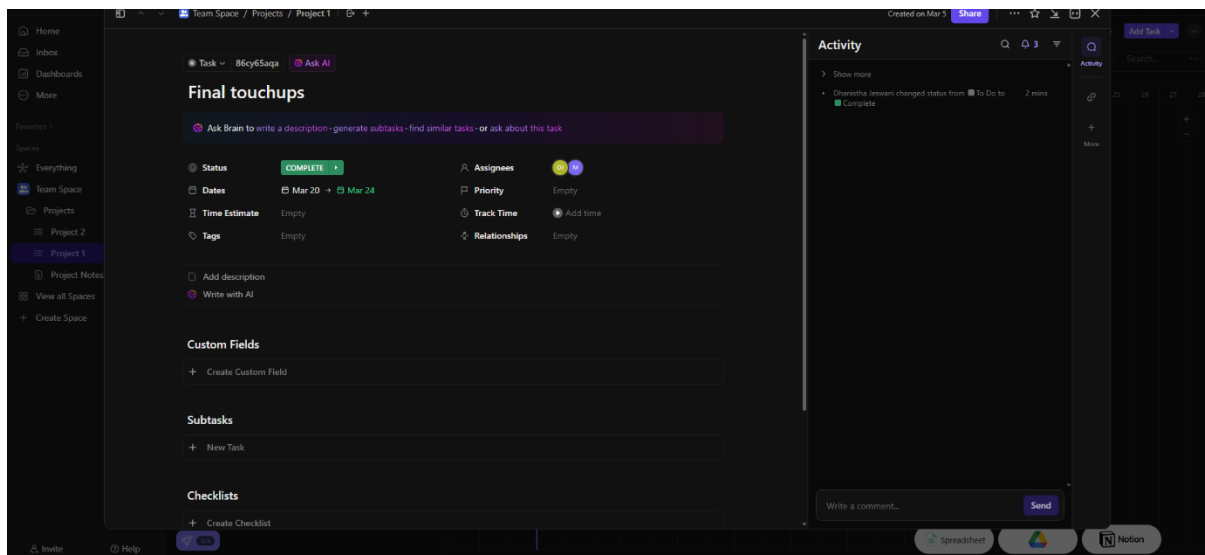
**Output:**



This screenshot shows a Notion task page titled "Designing the logistic regression model" (ID: 86cy6597p). The page is part of a project named "Project 1" under "Team Space". The task status is "COMPLETE". The "Dates" field shows "Sun" to "Tue". The "Time Estimate" is empty. The "Tags" field is empty. The "Assignees" field shows two users. The "Priority" is empty. The "Track Time" field has an "Add time" button. The "Relationships" field is empty. The "Custom Fields" section has a "Create Custom Field" button. The "Subtasks" section has a "New Task" button. The "Checklists" section has a "Create Checklist" button. The "Activity" panel on the right shows a log of changes, including a status change from "To Do" to "Complete" by Dhruvthe Jewani, which took 4 minutes. The bottom of the page has buttons for "Invite", "Help", "Spreadsheet", and "Notion".

This screenshot shows a Notion task page titled "Examination break" (ID: 86cy659xm). The page is part of a project named "Project 1" under "Team Space". The task status is "COMPLETE". The "Dates" field shows "Mar 12" to "Mar 15". The "Time Estimate" is empty. The "Tags" field is empty. The "Assignees" field shows two users. The "Priority" is empty. The "Track Time" field has an "Add time" button. The "Relationships" field is empty. The "Custom Fields" section has a "Create Custom Field" button. The "Subtasks" section has a "New Task" button. The "Checklists" section has a "Create Checklist" button. The "Activity" panel on the right shows a log of changes, including a status change from "To Do" to "Complete" by Dhruvthe Jewani, which took 3 minutes. The bottom of the page has buttons for "Invite", "Help", "Spreadsheet", and "Notion".

This screenshot shows a Notion task page titled "Model implementation" (ID: 86cy655aar). The page is part of a project named "Project 1" under "Team Space". The task status is "COMPLETE". The "Dates" field shows "Mar 16" to "Mar 19". The "Time Estimate" is empty. The "Tags" field is empty. The "Assignees" field shows two users. The "Priority" is empty. The "Track Time" field has an "Add time" button. The "Relationships" field is empty. The "Custom Fields" section has a "Create Custom Field" button. The "Subtasks" section has a "New Task" button. The "Checklists" section has a "Create Checklist" button. The "Activity" panel on the right shows a log of changes, including a status change from "To Do" to "Complete" by Dhruvthe Jewani, which took 3 minutes. The bottom of the page has buttons for "Invite", "Help", "Spreadsheet", and "Notion".



## Conclusion:

This project delved into the application of polynomial regression in financial data analysis, comparing implementations from scratch using Python libraries with those utilizing PyTorch. Through data preprocessing, model implementation, training, and evaluation, we examined the performance of each approach. While both methods proved effective, PyTorch demonstrated advantages in computational efficiency and scalability. This project underscores the importance of selecting appropriate tools and frameworks based on the task's requirements, offering insights into the practical utility of polynomial regression in financial modeling.