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.

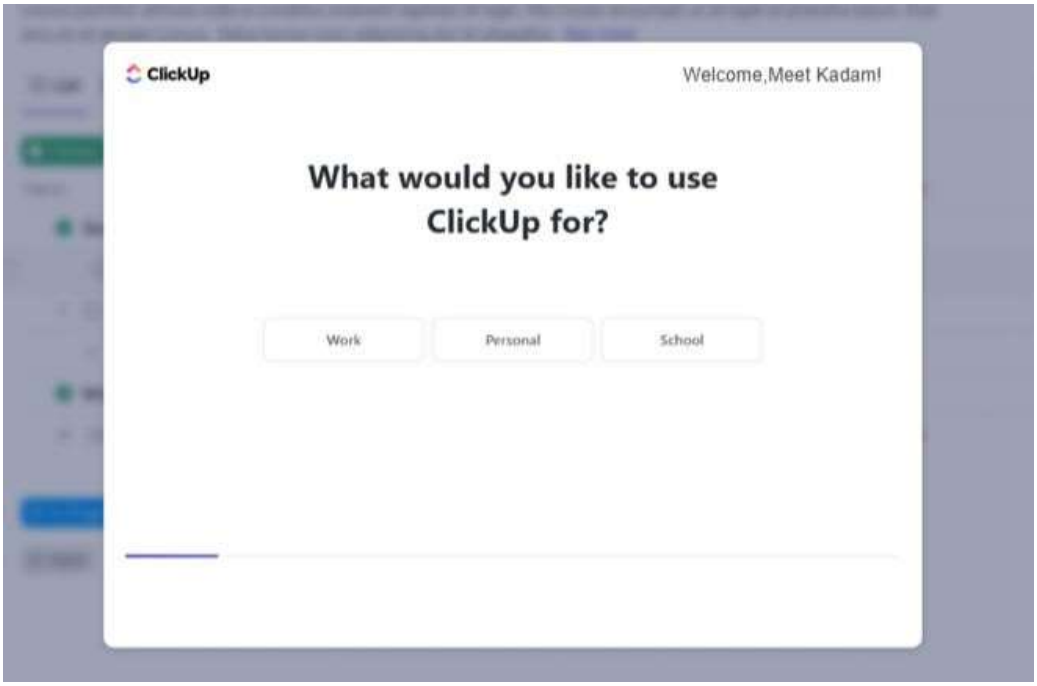
Gantt chart-

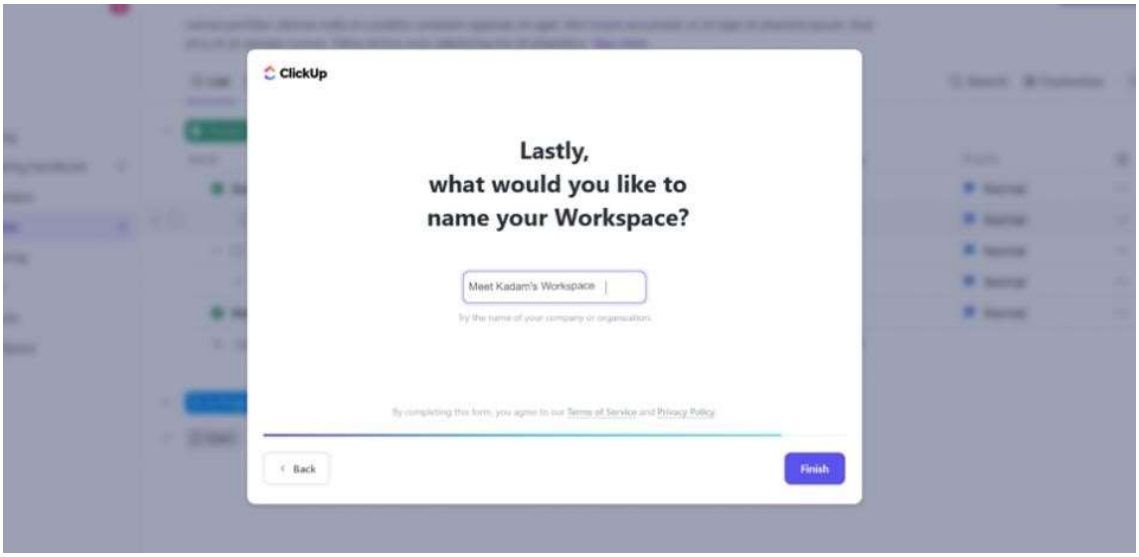
A Gantt chart, commonly used in project management, is one of the most popular and useful ways of showing activities (tasks or events) displayed against time. On the left of the chart is a list of the activities and along the top is a suitable time scale. Each activity is represented by a bar; the position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

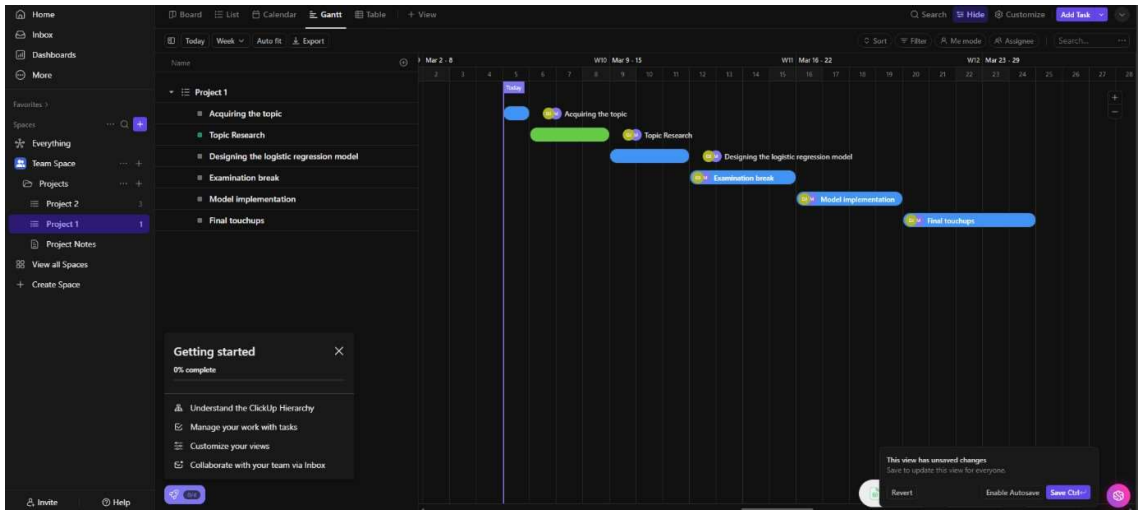
About the topic-

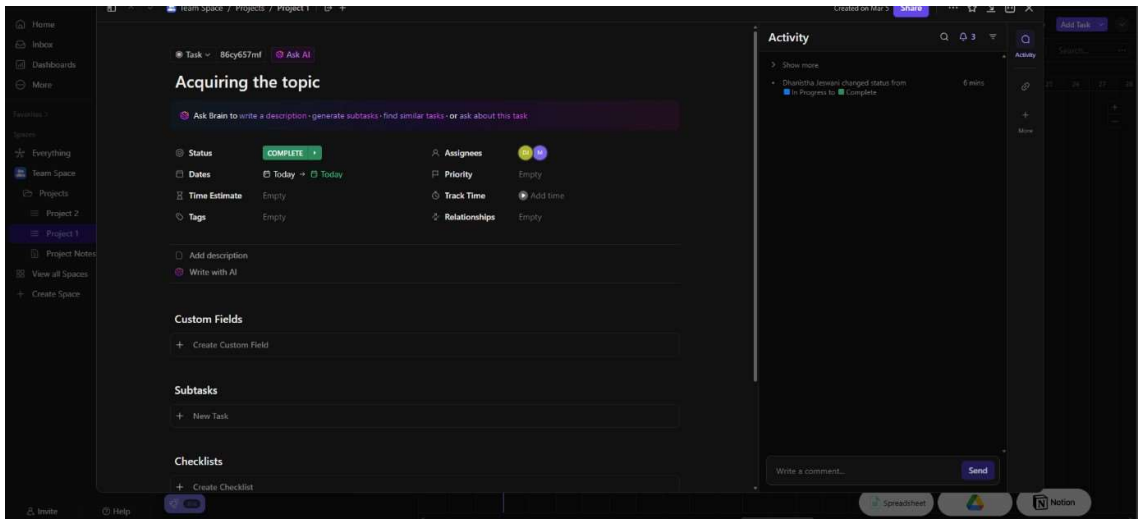
It is a Logistic regression Model designed on Agricultural decision making based on soil characteristics and various other environmental factors. Our dataset Encompasses of essential parameters such as soil composition (Nitrogen,potassium and phosphorus contents of the soil as well as the pH level of 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.

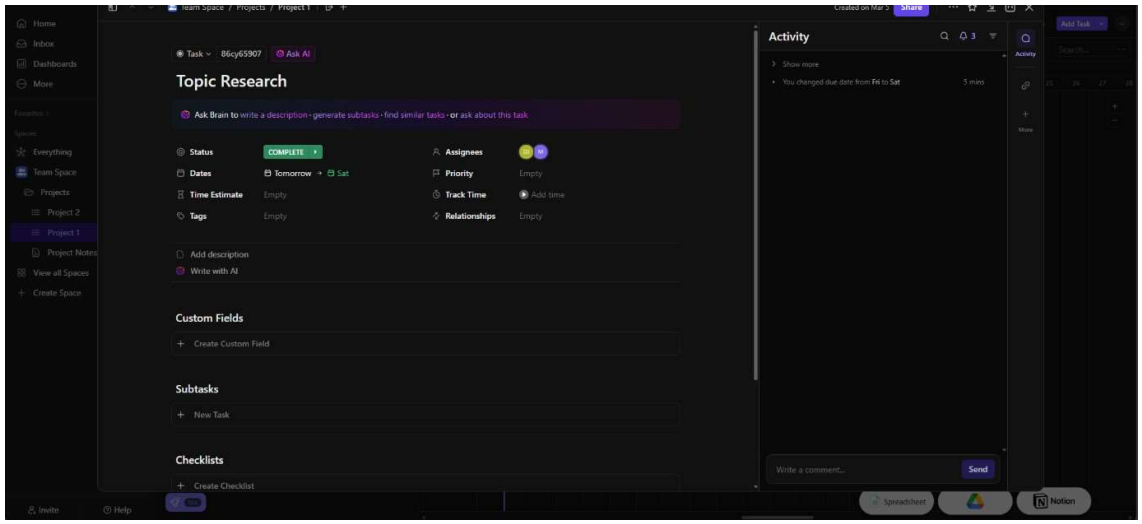
Output:

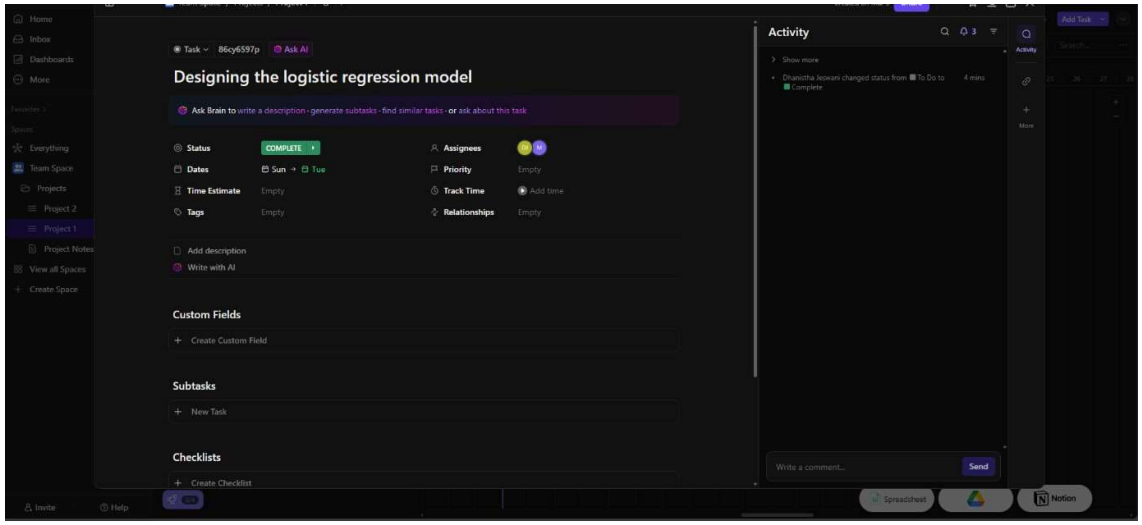

ClickUp
Welcome,Meet Kadam!
What would you like to use ClickUp for?
Work
Personal
School

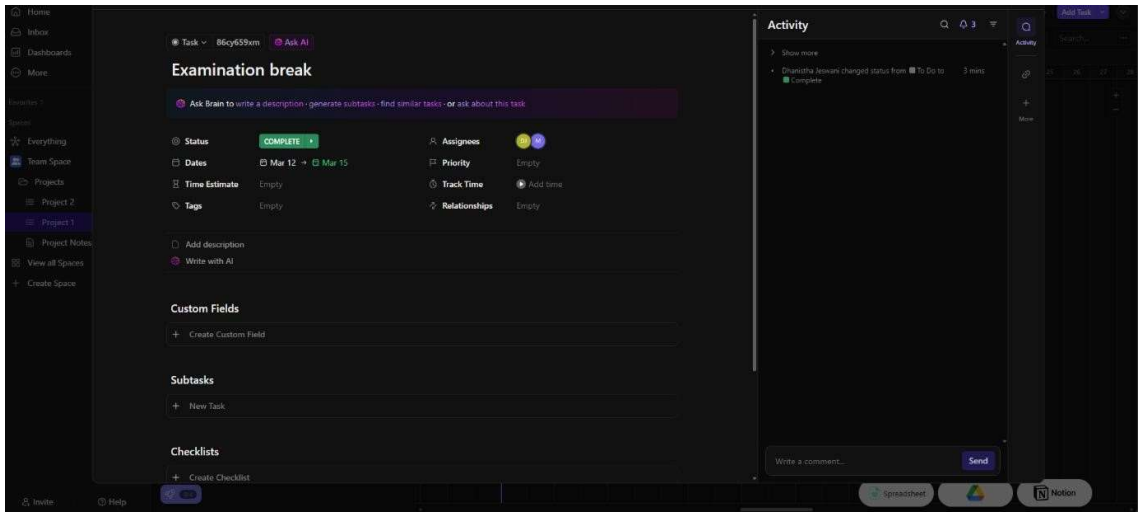

ClickUp
Lastly, what would you like to name your Workspace?
Meet Kadam's Workspace
Back
Finish

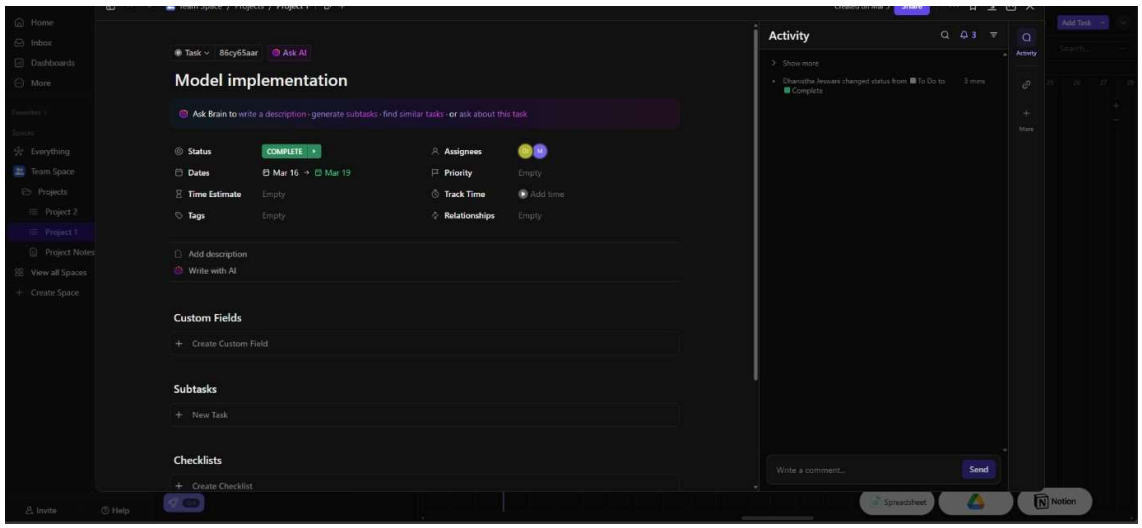

Home
Inbox
Dashboards
More
Everything
Team Space
Projects
Project 2
Project 1
Project Notes
View all Spaces
Create Space
Board
List
Calendar
Gantt
Table
+ View
Search
Hide
Customize
Add Task
Today
Week
Auto fit
Export
Sort
Filter
Me mode
Assignee
Search...
Name
Project 1
Acquiring the topic
Topic Research
Designing the logistic regression model
Examination break
Model implementation
Final touchups
Getting started
0% complete
Understand the ClickUp Hierarchy
Manage your work with tasks
Customize your views
Collaborate with your team via Inbox
This view has unsaved changes
Save to update this view for everyone.
Revert
Enable Autosave
Save Cha
Invite
Help

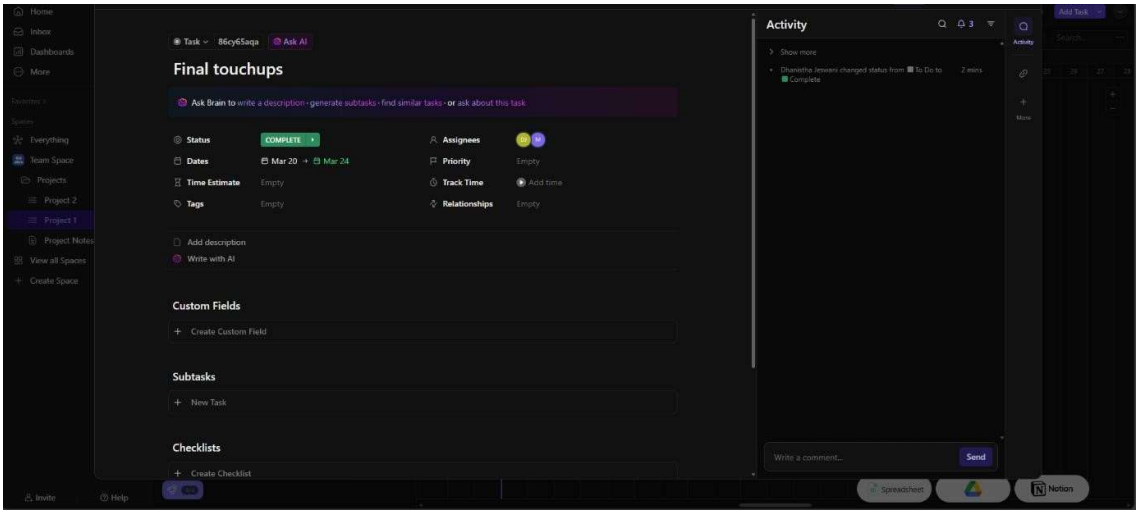

Task
86cy657mf
Ask AI
Acquiring the topic
Ask Brain to write a description · generate subtasks · find similar tasks · or ask about this task
Status
COMPLETE
Assignees
Dates
Today → Today
Priority
Empty
Time Estimate
Empty
Track Time
Add time
Tags
Empty
Relationships
Empty
Add description
Write with AI
Custom Fields
Create Custom Field
Subtasks
New Task
Checklists
Create Checklist
Activity
Show more
Dhanistha Jeswani changed status from In Progress to Complete
6 mins
Write a comment...
Send
Spreadsheet
Notion

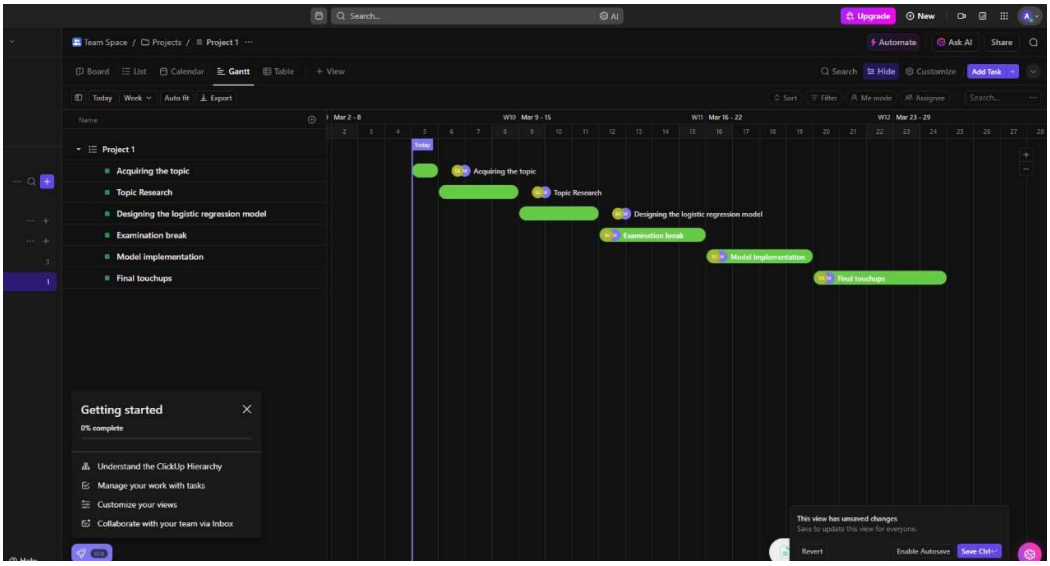

Task
86cy65907
Ask AI
Topic Research
Ask Brain to write a description · generate subtasks · find similar tasks · or ask about this task
Status
COMPLETE
Assignees
Dates
Tomorrow → Sat
Priority
Empty
Time Estimate
Empty
Track Time
Add time
Tags
Empty
Relationships
Empty
Add description
Write with AI
Custom Fields
Create Custom Field
Subtasks
New Task
Checklists
Create Checklist
Activity
Show more
You changed due date from Fri to Sat
3 mins
Write a comment...
Send
Spreadsheet
Notion


Designing the logistic regression model
Activity
Status
COMPLETE
Assignees
Dates
Sun → Tue
Priority
Time Estimate
Track Time
Tags
Relationships
Custom Fields
Subtasks
Checklists
Send


Examination break
Activity
Status
COMPLETE
Assignees
Dates
Mar 12 → Mar 15
Priority
Time Estimate
Track Time
Tags
Relationships
Custom Fields
Subtasks
Checklists
Send


Model implementation
Activity
Status
COMPLETE
Assignees
Dates
Mar 16 → Mar 19
Priority
Time Estimate
Track Time
Tags
Relationships
Custom Fields
Subtasks
Checklists
Send





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.