

# **Software Engineering & Project Management Lab Experiment No: - 08 To Study Project Scheduling using Gantt chart in ClickUP**

**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**

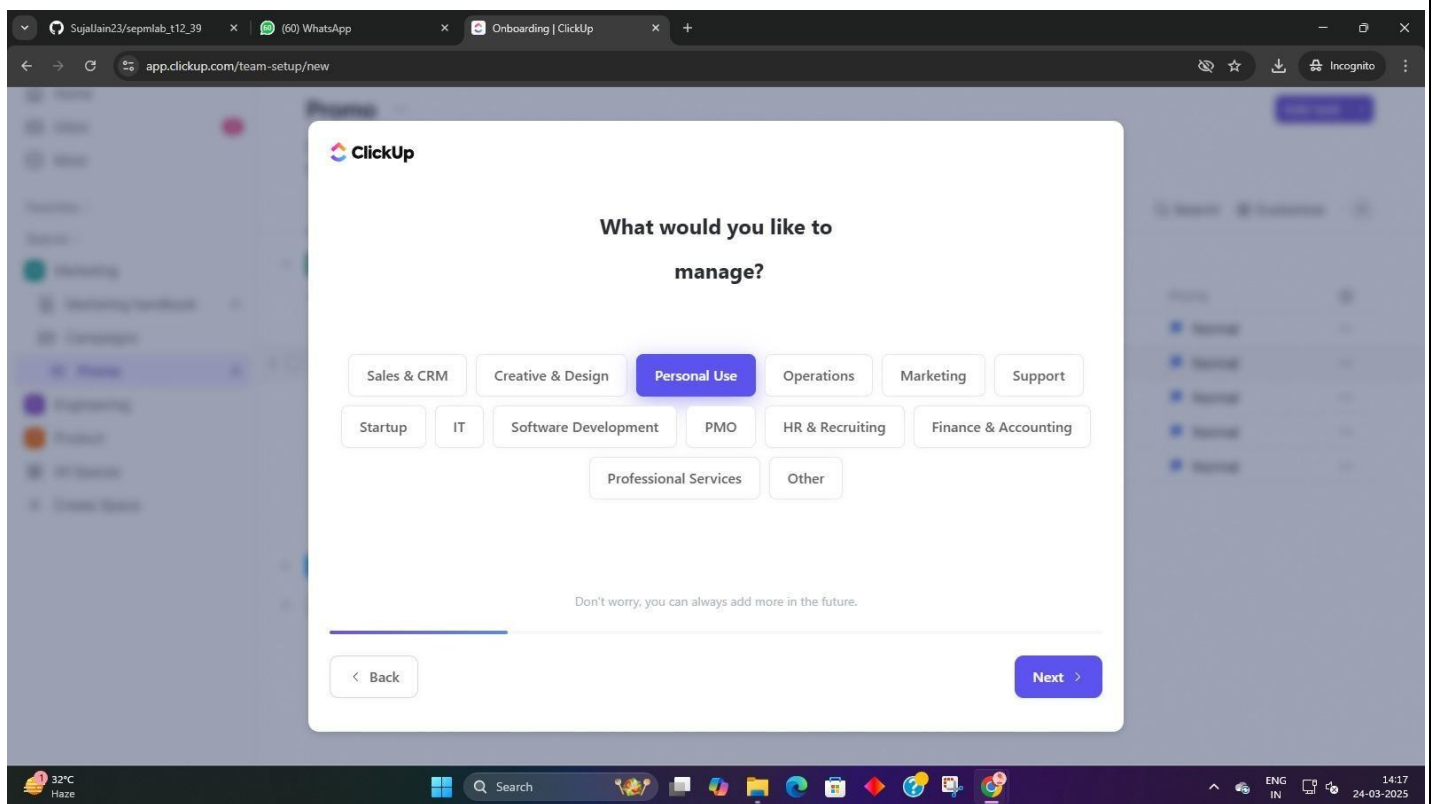
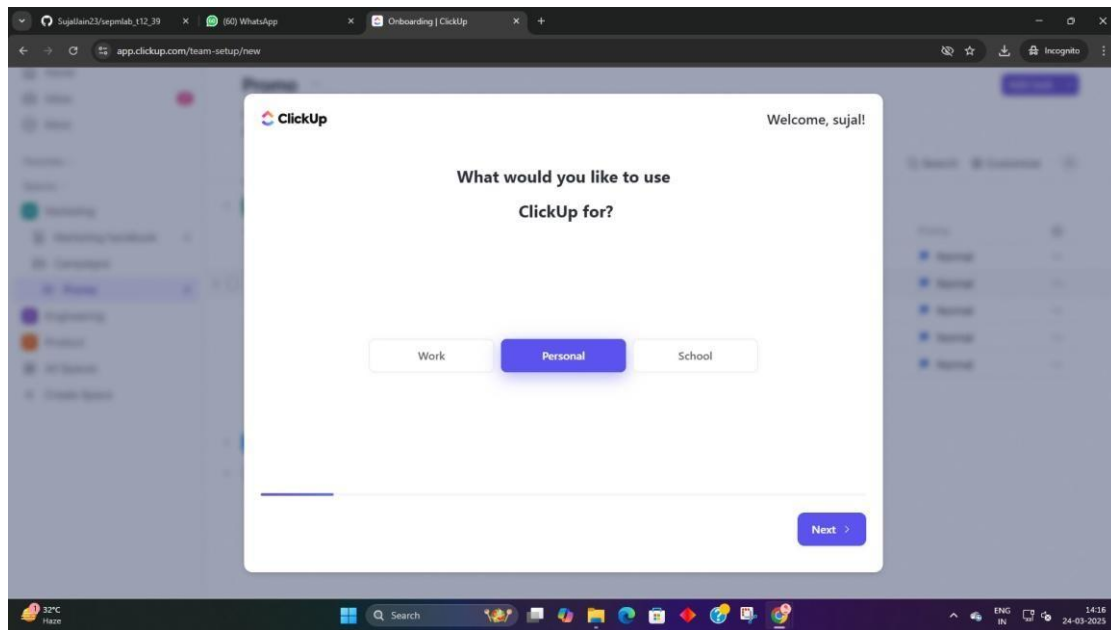
A Gantt chart, commonly used in project management, is one of the most popular and useful ways of showing activities (tasks or events) displayed against time. On the left of the chart is a list of the activities and along the top is a suitable time scale. Each activity is represented by a bar; the position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

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The image displays two sequential screenshots of the ClickUp onboarding interface, specifically the 'team-setup/new' page. The browser's address bar shows 'app.clickup.com/team-setup/new'.

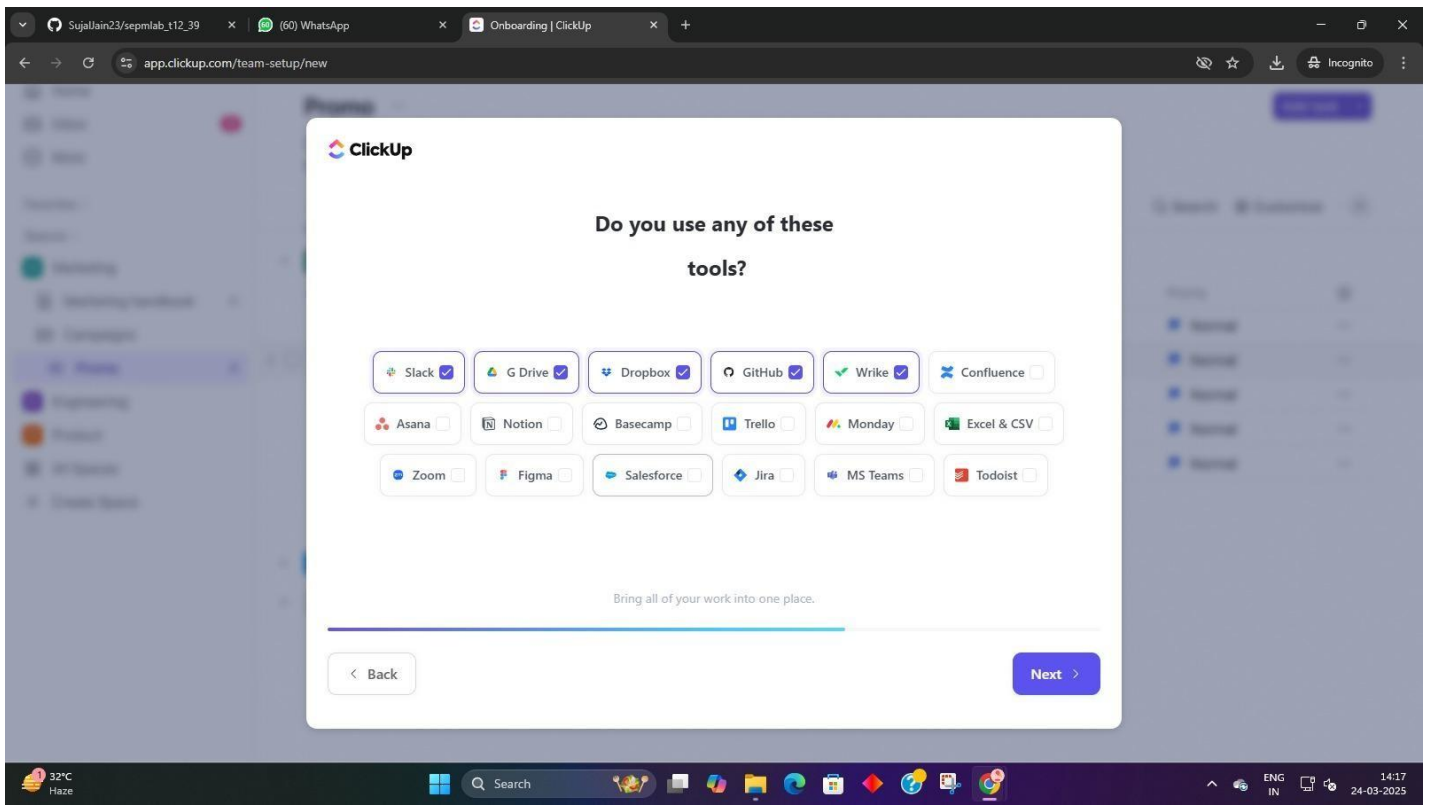
**First Screenshot: "How did you hear about us?"**

This screen features the ClickUp logo at the top left. The main heading is "How did you hear about us?". Below this, there are several buttons representing different sources: YouTube, LinkedIn, Search Engine (Google, Bing, etc.), Facebook / Instagram, Reddit, Friend / Colleague, TikTok, Software Review Sites, and TV / Streaming (Hulu, NBC, etc.). A blue "Other" button is also present. Below these buttons is a text input field labeled "Please specify..." with a placeholder "Press enter to continue". At the bottom, there are "Back" and "Next" navigation buttons.

**Second Screenshot: "Invite people to your Workspace:"**

This screen also features the ClickUp logo. The main heading is "Invite people to your Workspace:". Below this is a text input field containing the email address "sujalain299@gmail.com". At the bottom, there are "Back" and "Invite" navigation buttons.

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The screenshot shows the ClickUp onboarding interface. The main heading is "Do you use any of these tools?". Below this, there are 18 tool icons arranged in a grid, each with a checkbox. The tools are: Slack, G Drive, Dropbox, GitHub, Wrike, Confluence, Asana, Notion, Basecamp, Trello, Monday, Excel & CSV, Zoom, Figma, Salesforce, Jira, MS Teams, and Todoist. A progress bar at the bottom indicates the current step. The "Next" button is highlighted in blue.

ClickUp

Do you use any of these tools?

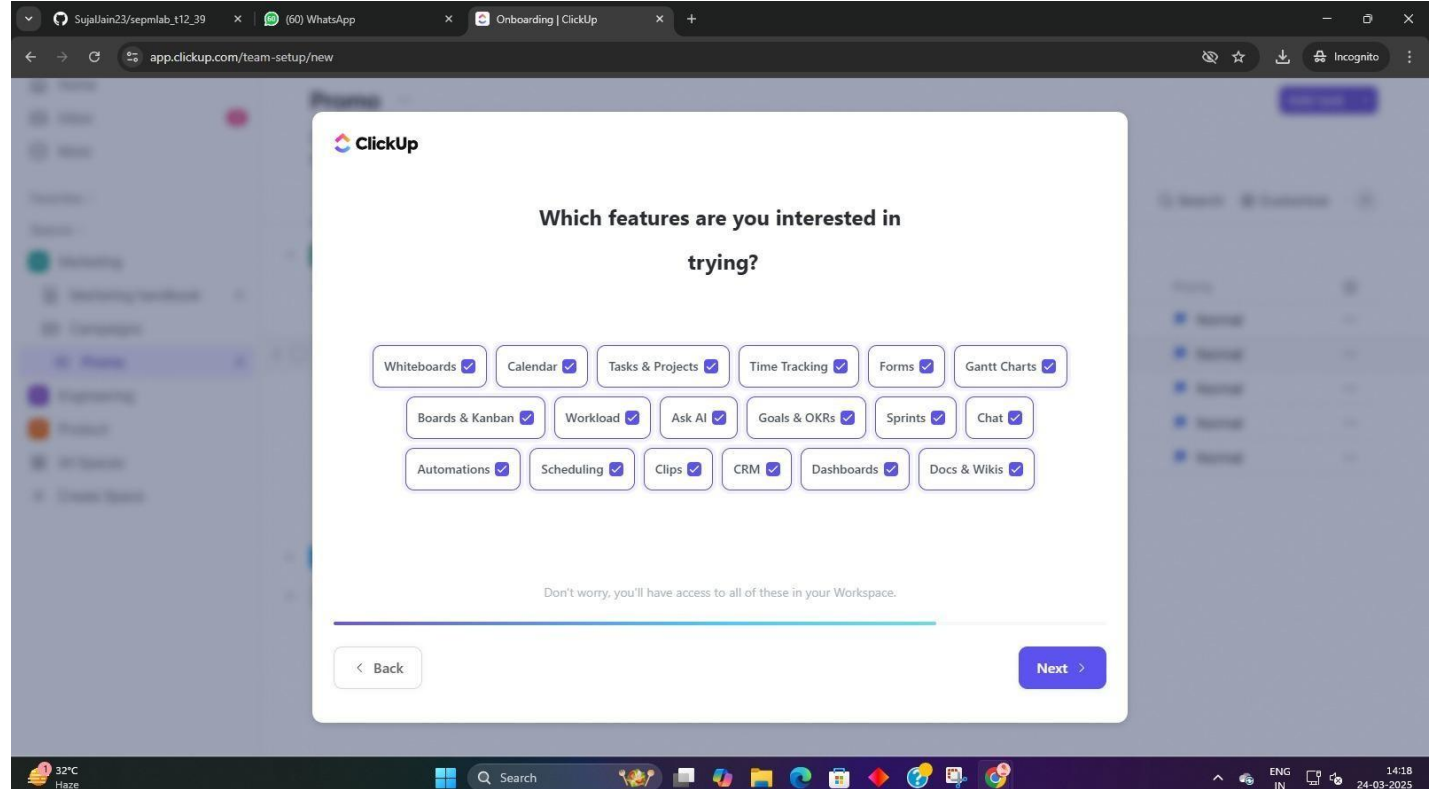
Slack ☒ G Drive ☒ Dropbox ☒ GitHub ☒ Wrike ☒ Confluence ☐

Asana ☐ Notion ☐ Basecamp ☐ Trello ☐ Monday ☐ Excel & CSV ☐

Zoom ☐ Figma ☐ Salesforce ☐ Jira ☐ MS Teams ☐ Todoist ☐

Bring all of your work into one place.

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The screenshot shows the ClickUp onboarding interface. The main heading is "Which features are you interested in trying?". Below this, there are 18 feature icons arranged in a grid, each with a checkbox. The features are: Whiteboards, Calendar, Tasks & Projects, Time Tracking, Forms, Gantt Charts, Boards & Kanban, Workload, Ask AI, Goals & OKRs, Sprints, Chat, Automations, Scheduling, Clips, CRM, Dashboards, and Docs & Wikis. A progress bar at the bottom indicates the current step. The "Next" button is highlighted in blue.

ClickUp

Which features are you interested in trying?

Whiteboards ☒ Calendar ☒ Tasks & Projects ☒ Time Tracking ☒ Forms ☒ Gantt Charts ☒

Boards & Kanban ☒ Workload ☒ Ask AI ☒ Goals & OKRs ☒ Sprints ☒ Chat ☒

Automations ☒ Scheduling ☒ Clips ☒ CRM ☒ Dashboards ☒ Docs & Wikis ☒

Don't worry, you'll have access to all of these in your Workspace.

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The top screenshot shows the ClickUp onboarding screen where a workspace is being named. The text reads: "Lastly, what would you like to name your Workspace?". A text input field contains "Sujal's Workspace". Below it, a smaller text says "Try the name of your company or organization." There are "Back" and "Finish" buttons.

The bottom screenshot shows a Gantt chart for a project named "pookies". The chart is set to "Gantt" view. The timeline starts from "Today" (March 24) and goes up to "W16" (April 19). The tasks listed on the left are: Task 1, Task 2, Task 3, Assignment 1, Submission, Assignment 1, Experiment 1, and Final Mpr. The Gantt bars show the duration of each task: Task 1 (Today to Mar 29), Submission (Mar 29 to Mar 30), Assignment 1 (Mar 30 to Mar 31), Experiment 1 (Mar 31 to Apr 6), and Final Mpr (Apr 6 to Apr 12). The chart also shows weekly intervals (W13, W14, W15, W16) and specific dates (Mar 30 - Apr 5, Apr 6 - 12, Apr 13 - 19).

**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

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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.

**LO Mapping:** *LO2 is mapped.*