

Sprint III Retrospective

Participants:

Rahaan Gandhi, Meghna Pradhan, Ramneek Kaur, Hao Jin, Yiyang Yan, Dhruva Khanwelkar, Akanksha Shah

Links

- 1) GitHub Repository - <https://github.com/shahakanksha-tamu/teamup-neo-backend>
- 2) Slack - <https://app.slack.com/client/T07PC1QMZRN/C07NP8T7UE6>
- 3) JIRA - [TEAM NEO - JIRA BOARD](#)
- 4) Heroku Deployment: <https://teamup-neo-ba74edfc326f.herokuapp.com/>

Sprint Dates

1. Sprint 3 plan: 10/19/2024 - 10/25/2024
2. Sprint 3 execution: 10/26/2024 - 11/1/2024

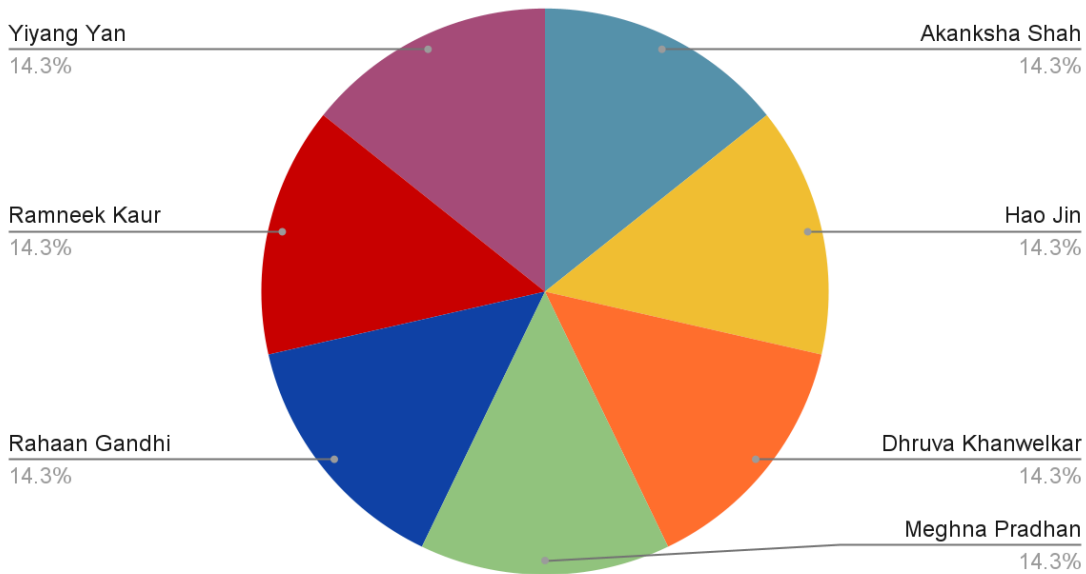
Team Member Contributions:

Name	Role	Story Points	Contribution
Rahaan Gandhi	Developer	5	<ul style="list-style-type: none">• Implemented a scrollable list of Milestones that can also be filtered based on the status of Student View.• Implemented a Gantt chart and table of Milestones and Deadlines for Student view.• Rubocop issues fixed as well as >90% coverage in Rspec and Cucumber.
Meghna	Developer	5	<ul style="list-style-type: none">• Implemented CRUD operations from Admin for Milestones.• Milestones and tasks under each milestone display• Milestone status update feature• Milestone Progress chart was implemented

			<ul style="list-style-type: none"> • $\geq 90\%$ of new code covered under Rspec and Cucumber tests.
Akanksha Shah	Product Owner	5	<ul style="list-style-type: none"> • Implemented the view for the student dashboard, which allowed students to view and manage the tasks assigned to them under each milestone. • Displayed the task and milestone-related information. • Implemented a donut chart to display the student's progress on the tasks assigned. • Achieved $\geq 90\%$ rspec and cucumber coverage on the feature. • Collaborated with team members on feature integration and Heroku deployment.
Dhruva Khanwelkar	Developer	5	<ul style="list-style-type: none"> • Added Task Management CRUD operations. • Developed the UI for task management which makes a list of tasks for each student. • $\geq 90\%$ rspec and cucumber coverage for the task management feature. • Added controls to restrict the status update of tasks from the admin's end. • Ensured tasks are created against the corresponding milestone, project as well as user.
Hao Jin	Scrum Master	5	<ul style="list-style-type: none"> • $\geq 90\%$ coverage for all the features implemented in the past sprint • Eliminate all the code smells. • Research on implementation

			<p>methods on how Google Calendar can be implemented within the application.</p> <ul style="list-style-type: none"> • Implemented view and download of resources uploaded by the admin on the project hub page. • Added resource preview for admin. • $\geq 90\%$ code coverage for added features.
Ramneek Kaur	Developer	5	<ul style="list-style-type: none"> • Created a Project Dashboard to display project-related info like Description, Objectives, etc. • Added Functionality to edit Project Details • Added a Project Progress Chart to visually display the progress of the project based on the milestones completed. • Researched about integration of Google Calendar. • $\geq 90\%$ code coverage for the added features.
Yiyang Yan	Developer	5	<ul style="list-style-type: none"> • Removed project objectives from the dashboard for students. • Displayed project objectives on the Project Hub for students. • Displayed student scores on the Project Hub for students. • Added score edit feature for admin. • Added score edit view. • Wrote cucumber features for a score edit feature.

Team Contribution chart



Sprint Goal

This sprint focused on developing the core functionalities of both the student and admin dashboards. For the admin dashboard, we implemented features such as project management, milestone management, and task management, which include progress charts and a per-student view for monitoring certificate completion. Meanwhile, the student dashboard was enhanced with a comprehensive list of milestones, a Gantt chart view for visualizing project timelines, and task management capabilities that allow students to mark tasks as complete, along with an overview of their task progress. Additionally, students can now access a list of resources uploaded by admins for each project. The main objective of this sprint was to implement the placeholders established in the previous sprint and ensure the successful deployment of the application.

Sprint Achievements

- 1) Enhanced UI by adding a sidebar with management options for both student and admin dashboards.
- 2) Successfully developed and integrated core features for admin like milestone management, task management, and view for per-student certificate completion.
- 3) Displayed the project and milestone progress in the form of a donut chart for admins.

- 4) Successfully developed and integrated core features for students like a view for listing milestones, task management, and representation of the project timeline in the form of a Gantt chart.
- 5) Integrated view for listing resources uploaded by admins on the student dashboard with an option to preview or download the resource.
- 6) We achieved RSpec test coverage of 93.23% and Cucumber Test coverage of 95.75%
- 7) Successfully updated the database on the deployed application to Heroku.
- 8) Discussed and revised the team's working agreement.

Sprint Backlog Items and Status

(+) Sprint 3 bug fixes.

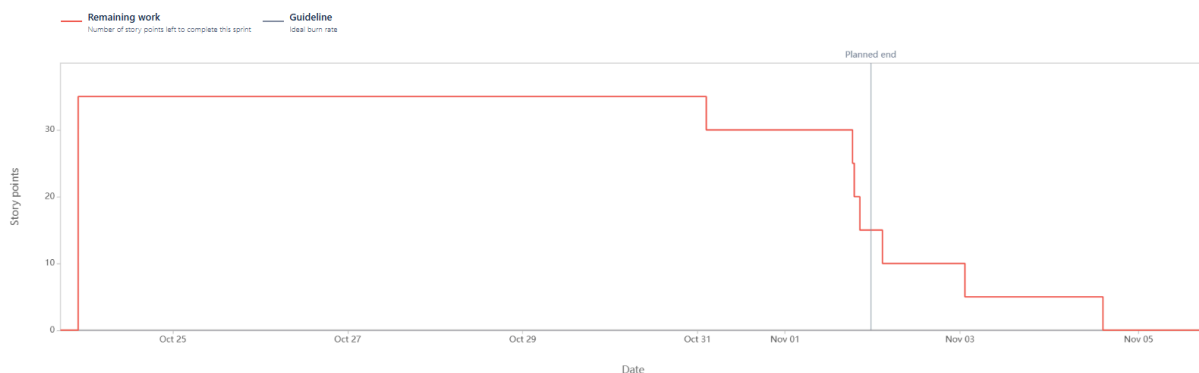
(+) UI Enhancements and improved RSpec coverage for points management feature.

The above feature will be pulled up in sprint 4, as the bugs introduced in this sprint will be resolved in the next sprint. Additionally, for points management, we implemented the core backend functionality however, improvements on the UI will be picked up in the next sprint.

Burndown Chart

Date - October 23rd, 2024 - November 1st, 2024

Sprint goal - This sprint will focus on developing the core functionalities of both the student and admin dashboards. Key features such as milestone tracking, task management, certificate completion, and calendar integration research will be prioritized. The goal is to implement these features and deploy a working prototype that demonstrates their functionality by the end of the sprint.



Evaluation of Code and Test Quality

- 1) SimpleCov Coverage -
 - a) Cucumber: 95.75%
 - b) Rspec: 93.23%
- 2) Code Climate Report: Grade A; Code Smells: 1; Duplication: 0; Other Issues: 0
<https://codeclimate.com/github/shahakanksha-tamu/teamup-neo-backend>

Customer Meeting

Date: Wed Nov 6th, 2024

Time: 9:30am - 10:30am

Place: Zoom

Summary of Discussion:

- Presented the project's current progress, including a live demonstration of the deployed Heroku application.
- Reviewed the final sprint wrap-up and discussed usability expectations for the completed product.















Feedback:

- Ensure the hosted application is fully functional and user-friendly by the end of the sprint.
- The client communicated appreciation for the progress made in the last sprint.
- Implement the "Event Broadcast" feature, Google Calendar integration, and support for user detail uploads.

BDD & TDD

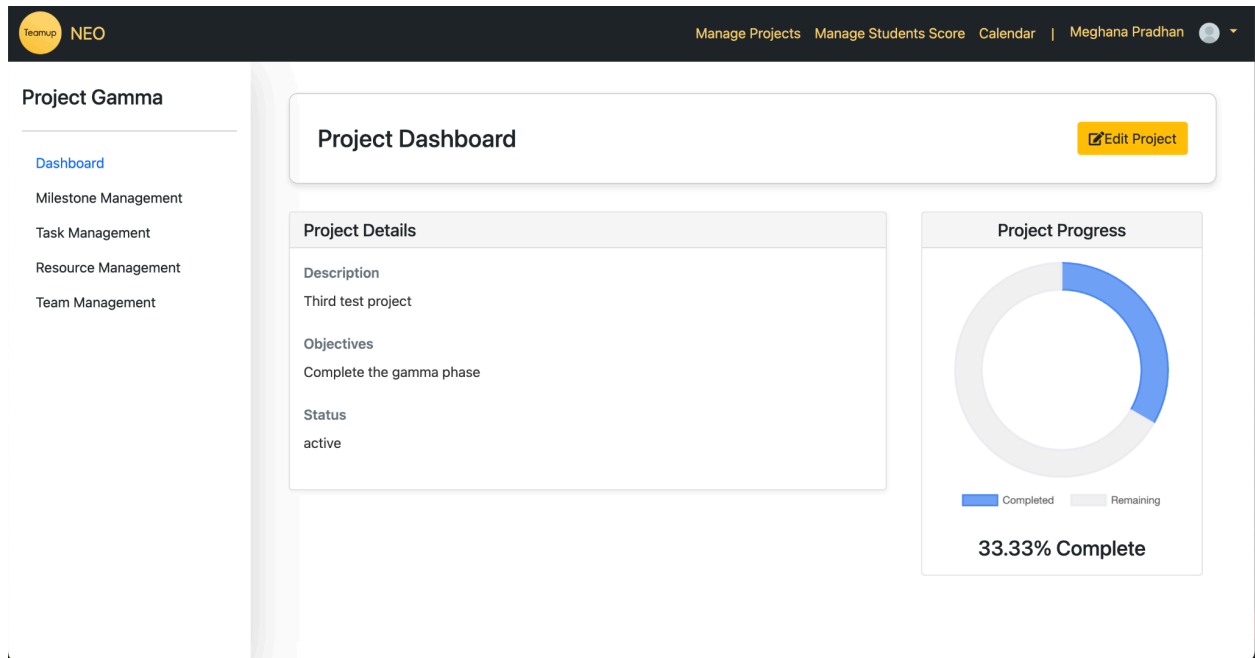
- 1) In this sprint, we ensured that BDD test cases were created before the features were developed.
- 2) We will also focus on increasing the test coverage to 100% in the following sprint.
- 3) Rspec coverage for the points management feature is to be increased in the upcoming sprint.

Sprint 3 Jira Board:

Type	# Key	Summary	Status	Sprint	Assignee
	JIRA-104 ↳ JIRA-99	Student Milestones Management	COMPLETED	Sprint 3	 rahaang99
	JIRA-104 ↳ JIRA-97	Admin Milestone Management (CRUD)	COMPLETED	Sprint 3	 meghna.pradhan
	JIRA-104 ↳ JIRA-98	Student Task Management	COMPLETED	Sprint 3	 shahakanksha
	JIRA-104 ↳ JIRA-102	Project hub Overview and Admin Points Management	COMPLETED	Sprint 3	 yyy2000
	JIRA-104 ↳ JIRA-101	Bug Fixes from Past sprint	COMPLETED	Sprint 3	 q389974204
	JIRA-104 ↳ JIRA-96	Admin Tasks Management	COMPLETED	Sprint 3	 dhruvak
	JIRA-104 ↳ JIRA-100	Project CRUD and Dashboard	COMPLETED	Sprint 3	 ramneek983

Feature Implementation Screenshots

Project dashboard for admin



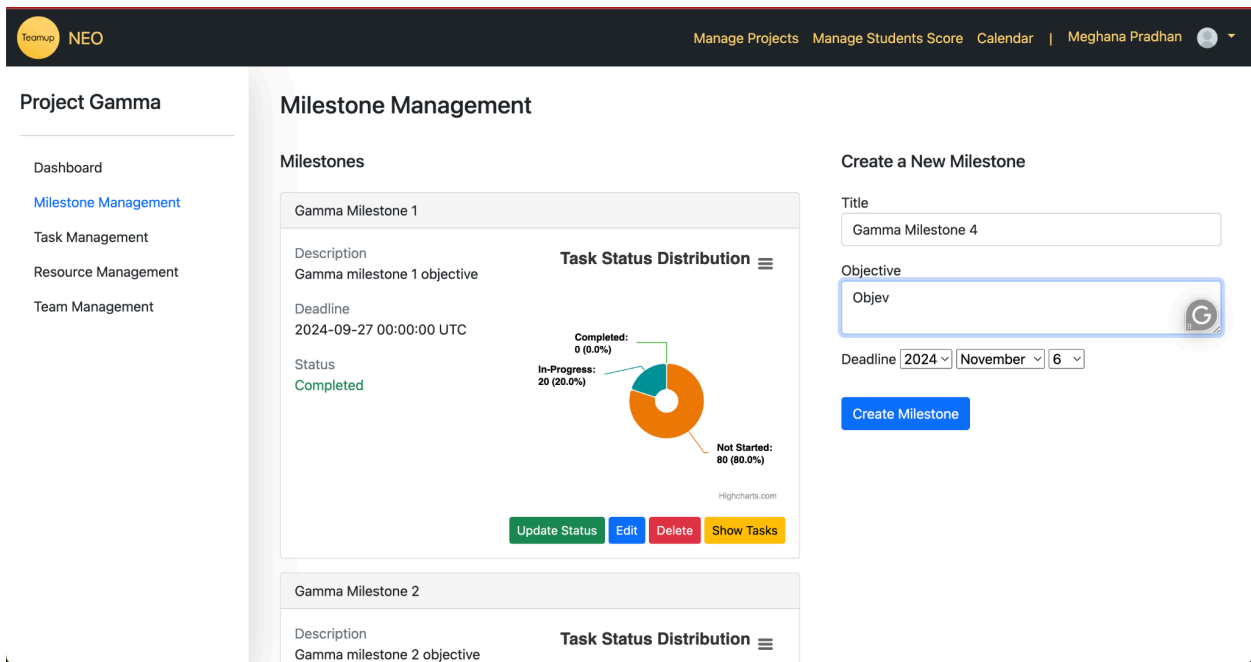
Edit Project

The screenshot shows the 'Edit Project' modal form. The form contains the following fields:

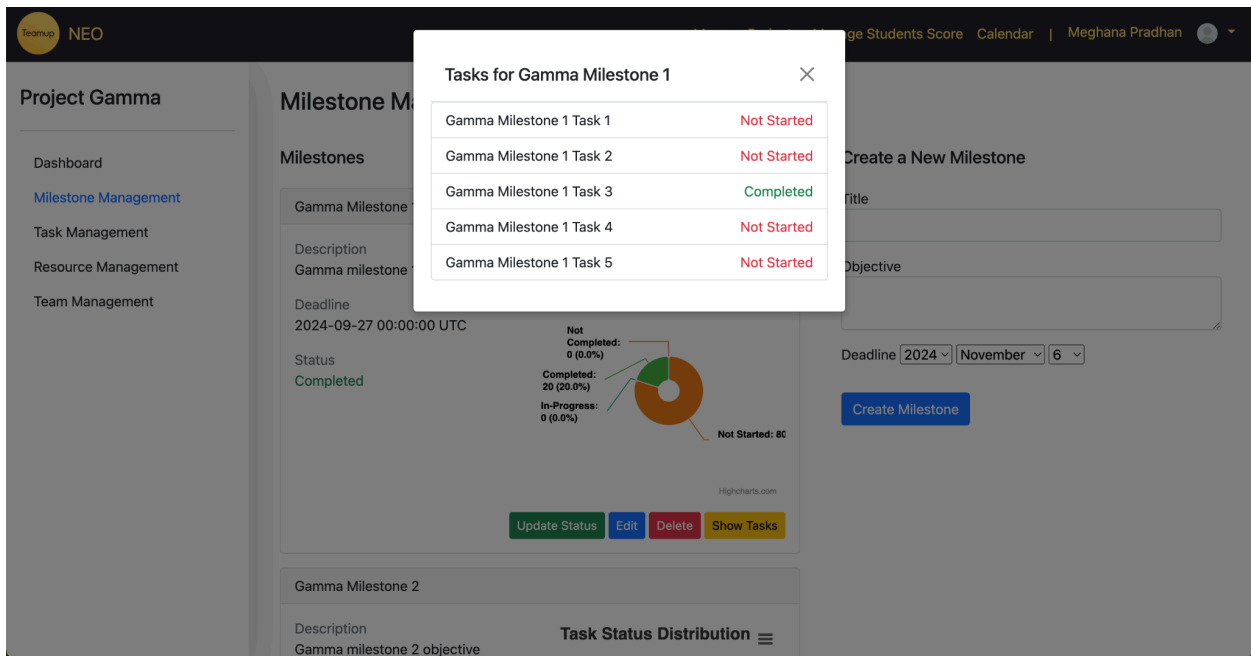
- Name: Project Gamma
- Description: Third test project
- Objectives: Complete the gamma phase
- Status: Active

At the bottom of the form, there are two buttons: 'Update Project' (blue) and 'Cancel' (grey).

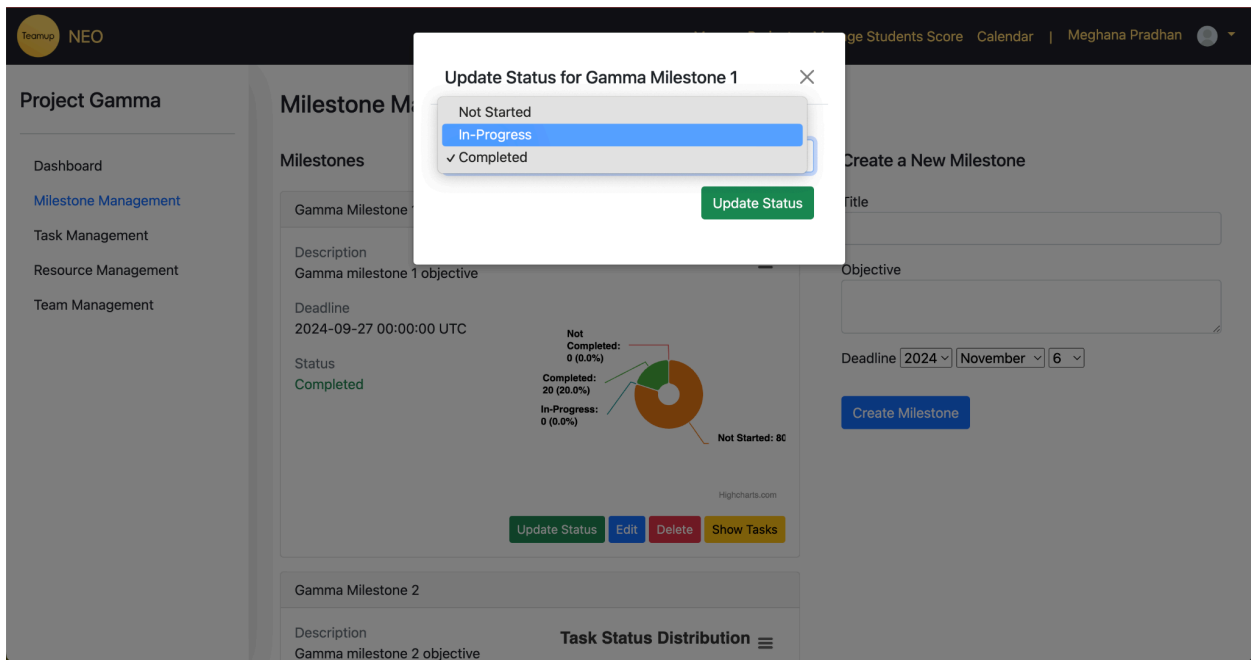
Milestone Management for admin



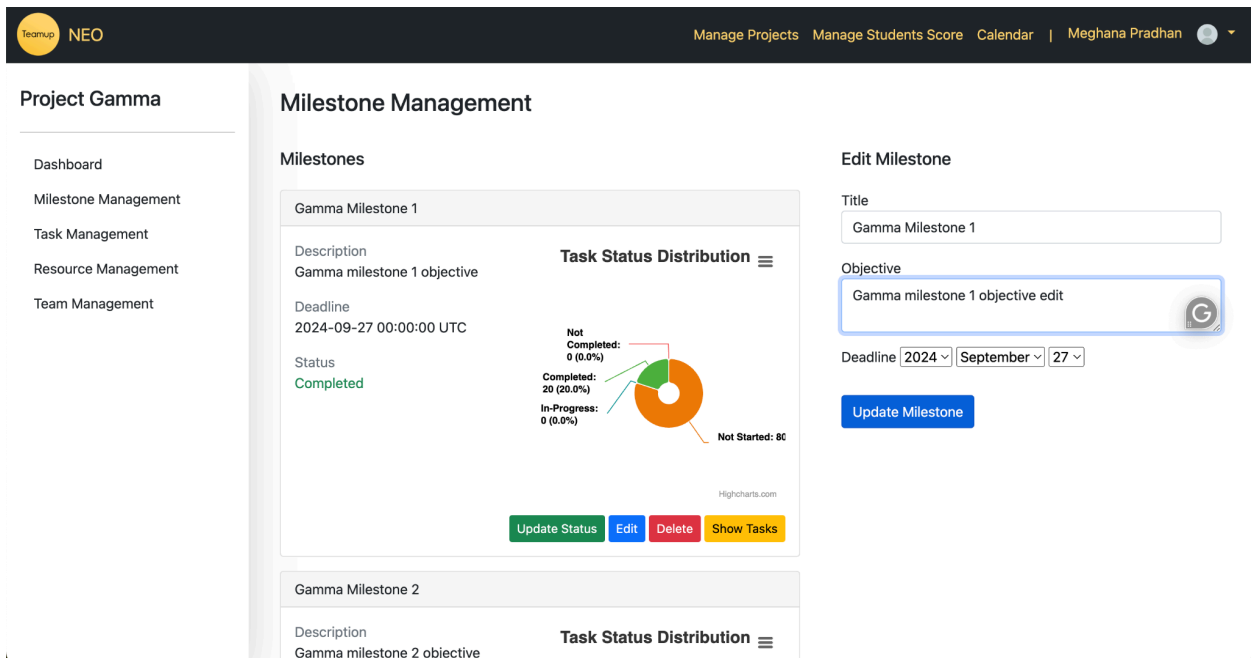
View Tasks related to Milestone



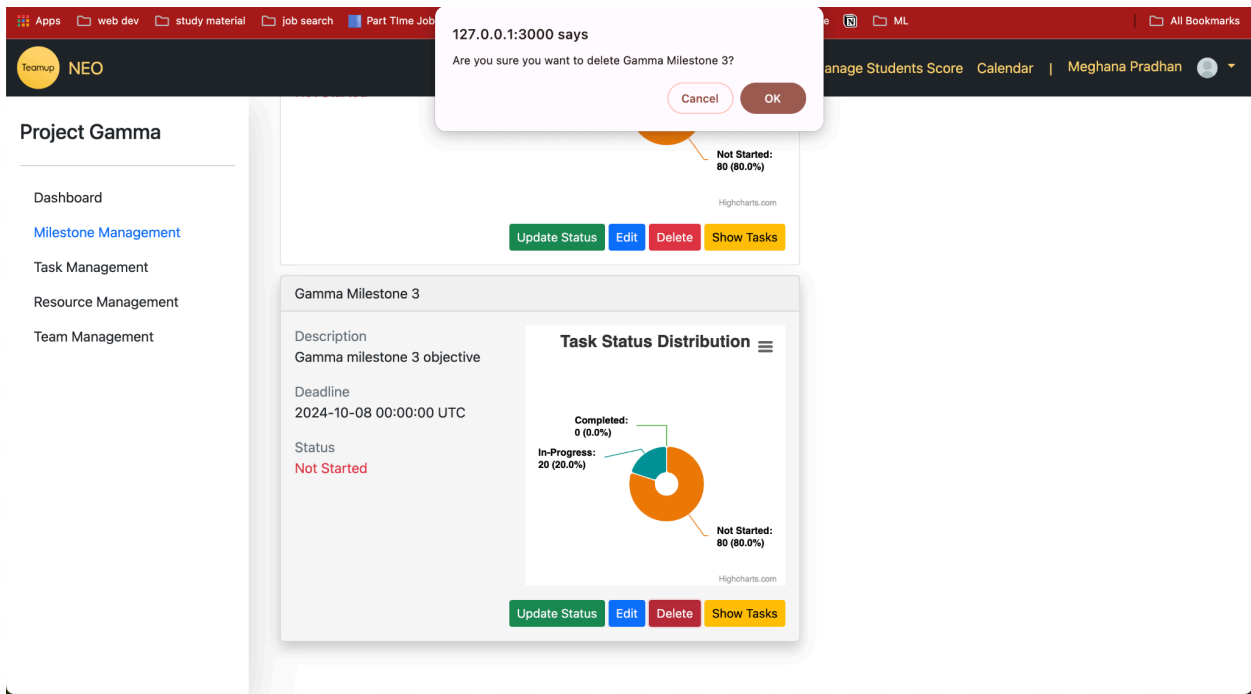
Update Milestone Status



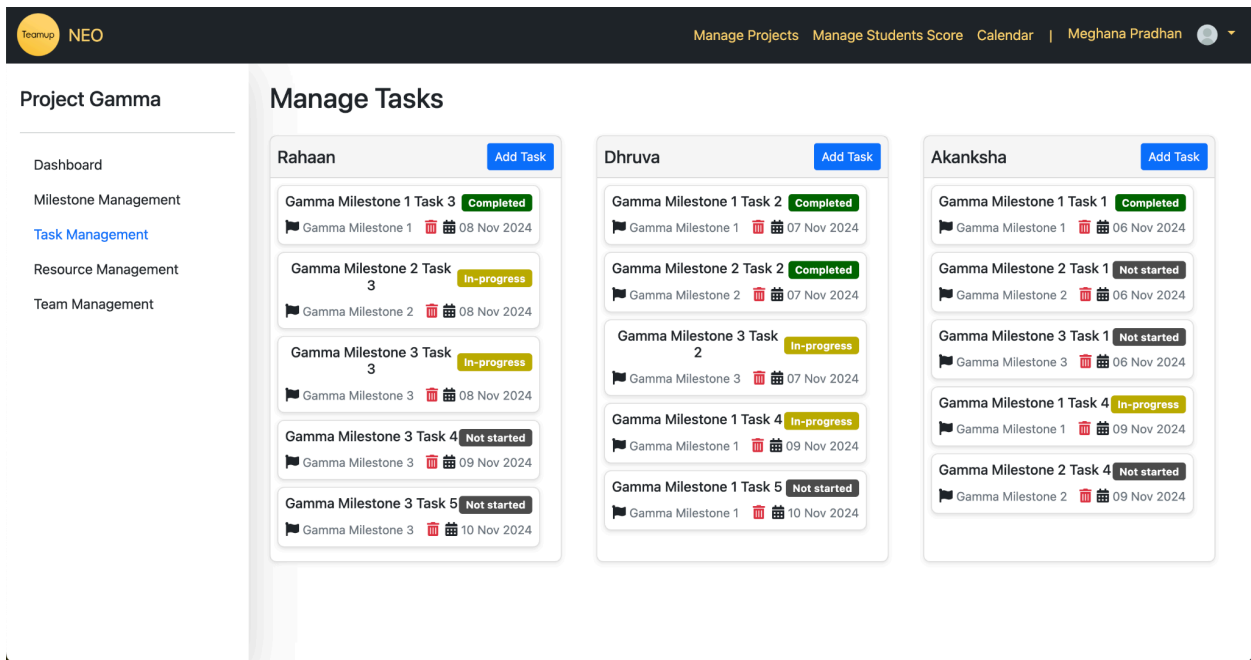
Edit Milestone



Delete Milestone



Task Management for admin



Add task for team members

The screenshot shows the 'Add Task for Rahaan' modal in the NEO project management tool. The modal is centered over the 'Manage Task' section for Rahaan. The form fields are as follows:

- Task name:** Gamma Task 12
- Status:** Not Started
- Milestone:** Select a milestone
- Deadline:** dd/mm/yyyy
- Description:** (Empty text area)

A blue 'Create Task' button is located at the bottom right of the modal. The background shows the 'Project Gamma' dashboard with a sidebar menu and a list of tasks for Rahaan and Akanksha.

Edit the task details

The screenshot shows the 'Edit Task for Dhruva' modal in the NEO project management tool. The modal is centered over the 'Manage Task' section for Rahaan. The form fields are as follows:

- Task name:** Gamma Milestone 2 Task 2
- Status:** Completed
- Milestone:** Gamma Milestone 2
- Deadline:** 07/11/2024
- Description:** Description for Gamma Milestone 2 Task 2

A blue 'Update Task' button is located at the bottom right of the modal. The background shows the 'Project Gamma' dashboard with a sidebar menu and a list of tasks for Rahaan and Akanksha.

Track points earned by student towards certificate completion

Teamup

NEO

Manage Projects

Manage Students Score

Calendar

Meghana Pradhan

Rahaan Gandhi: 98

Dhruva Khanwelkar: 98

Ramneek Kaur: 98

Hao Jin: 98

Yiyang Yan: 96

Phillip Ritchey: 98

Anirith : 98

Akanksha Shah: 98

Shashankit Thakur: 98

Update Scores

Project Dashboard for Student

Teamup

NEO

Dashboard

Calendar

Project Hub

Meghana Pradhan

Project Overview

Project Delta

Description

Fourth test project

Status

Active

Objective

Complete the delta phase

Start Date

01 Nov 2024

End Date

01 Jan 2025

Know Your Team

View Project

Student Score

99.0

Milestone view for students

Teamup

NEO

Dashboard

Calendar

Project Hub

Meghana Pradhan

Project Delta

Project Hub

Project Milestones

Project Timeline

Task Management

Team Members

Milestones

Filter by Status: All

Delta Milestone 1

Completed

Start Date: September 21, 2024

End Date: September 27, 2024

Objective: Delta milestone 1 objective

Delta Milestone 2

Not Started

Start Date: September 27, 2024

End Date: October 03, 2024

Objective: Delta milestone 2 objective

Project timeline view for student

Teamup

NEO

Dashboard

Calendar

Project Hub

Meghana Pradhan

Project Delta

Project Hub

Project Milestones

Project Timeline

Task Management

Team Members

Project Timeline

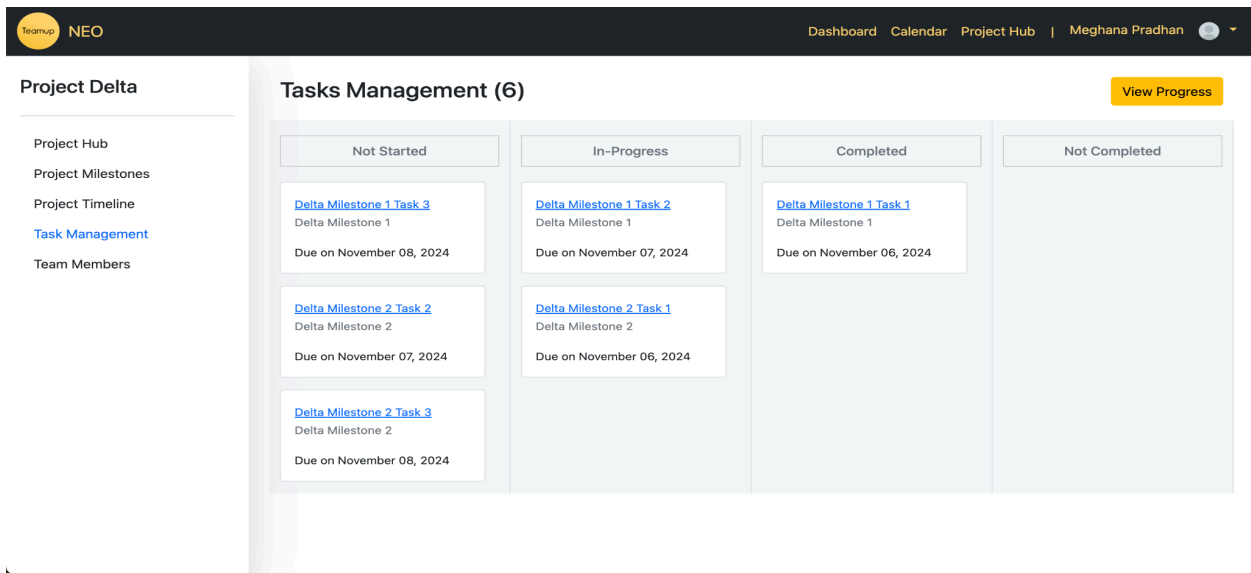
Gantt Chart

Milestone	Sep 21	Sep 28
Delta Milestone 1		
Delta Milestone 2		

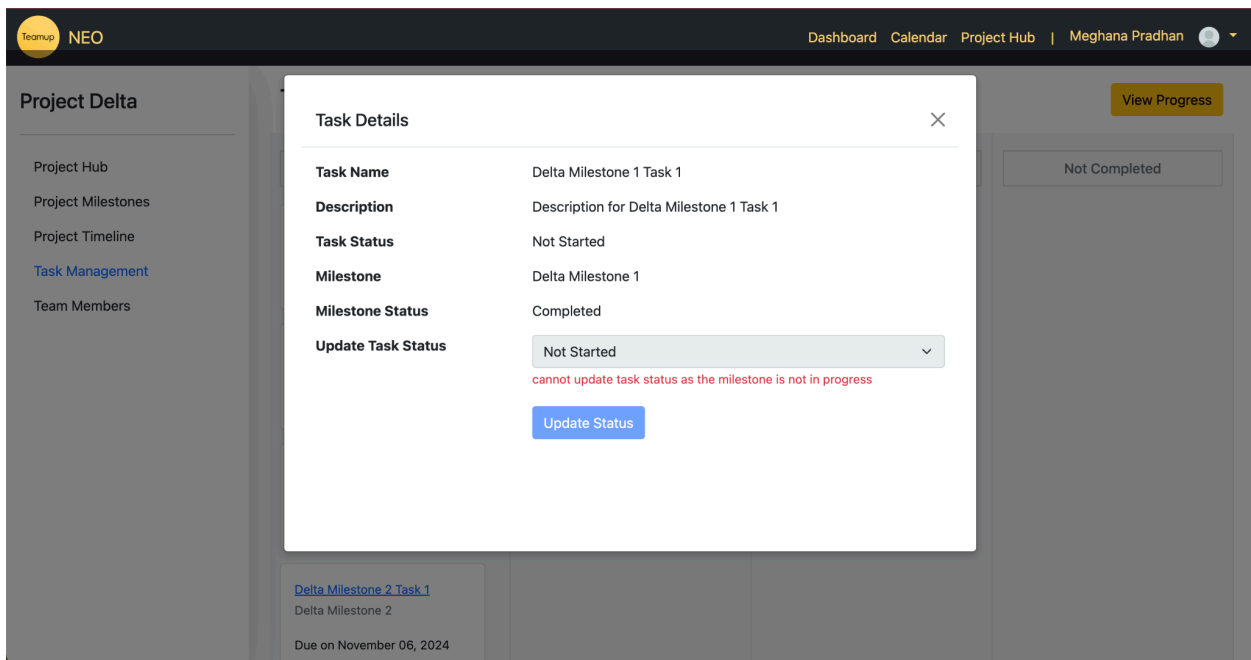
Milestone Details

Name	Status	Start Date	End Date	Objective
Delta Milestone 1	Completed	2024-09-21 00:00:00 UTC	2024-09-27 00:00:00 UTC	Delta milestone 1 objective
Delta Milestone 2	Not Started	2024-09-27 00:00:00 UTC	2024-10-03 00:00:00 UTC	Delta milestone 2 objective

Task Management for students



Vire Task Details for student



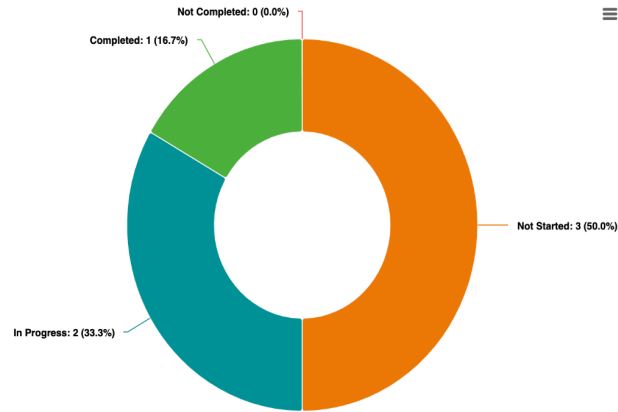
Track task progress for student



Project Delta

- Project Hub
- Project Milestones
- Project Timeline
- Task Management
- Team Members

Task Progress Overview



Highcharts.com

View Progress

Not Completed