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

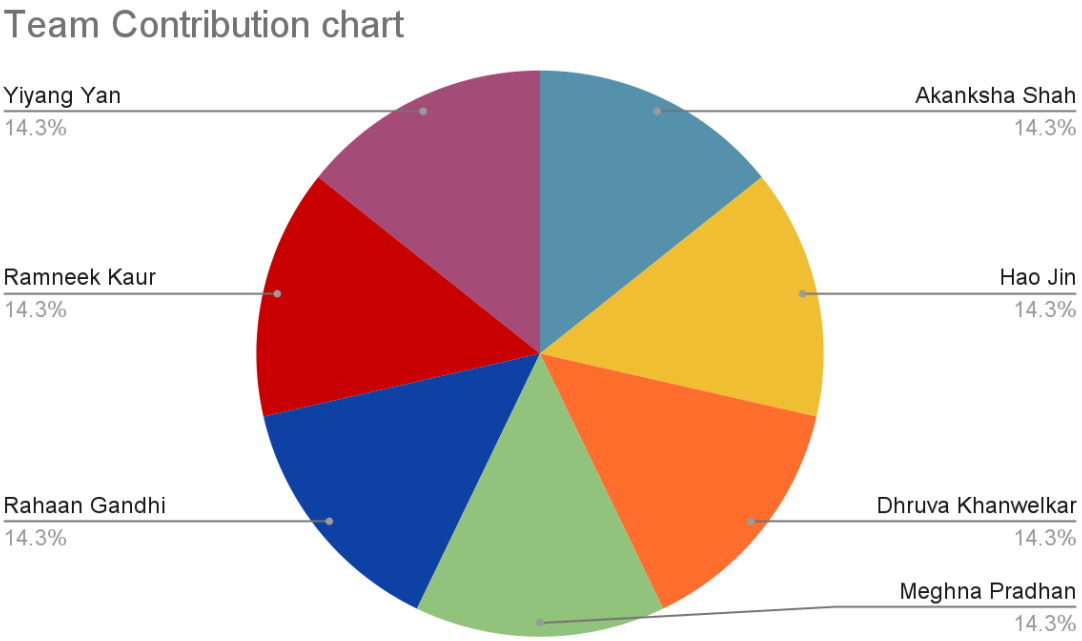
1. Sprint 3 plan: 10/19/2024 - 10/25/2024
2. Sprint 3 execution: 10/26/2024 - 11/1/2024

Team Member Contributions:

Name	Role	Story Points	Contribution
Rahaan Gandhi	Developer	5	• 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	• Implemented CRUD operations from Admin for Milestones. • Milestones and tasks under each milestone display • Milestone status update feature • Milestone Progress chart was implemented

			• >=90% of new code covered under Rspec and Cucumber tests.
Akanksha Shah	Product Owner	5	• 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 >=90% rspec and cucumber coverage on the feature. • Collaborated with team members on feature integration and Heroku deployment.
Dhruva Khanwelkar	Developer	5	• Added Task Management CRUD operations. • Developed the UI for task management which makes a list of tasks for each student. • >=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	• >=90% coverage for all the features implemented in the past sprint • Eliminate all the code smells. • Research on implementation

			methods on how Google Calendar can be implemented within the application. ● Implemented view and download of resources uploaded by the admin on the project hub page. ● Added resource preview for admin. ● >=90% code coverage for added features.
Ramneek Kaur	Developer	5	● 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. ● >=90% code coverage for the added features.
Yiyang Yan	Developer	5	● 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.



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

Evaluations 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

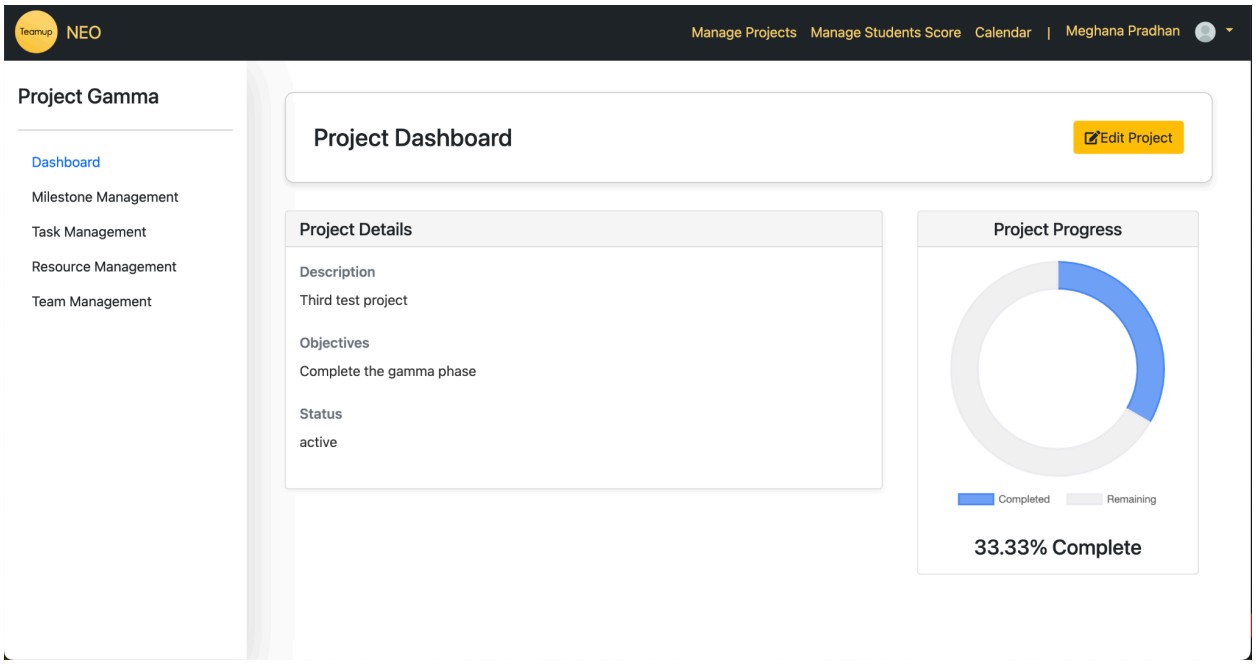
1) In this sprint, we ensured that BDD test cases were created before the features were developed.
2) We will also focus on increasing the test coverage to 100% in the following sprint.
3) Rspec coverage for the points management feature is to be increased in the upcoming sprint.

Sprint 3 Jira Board:

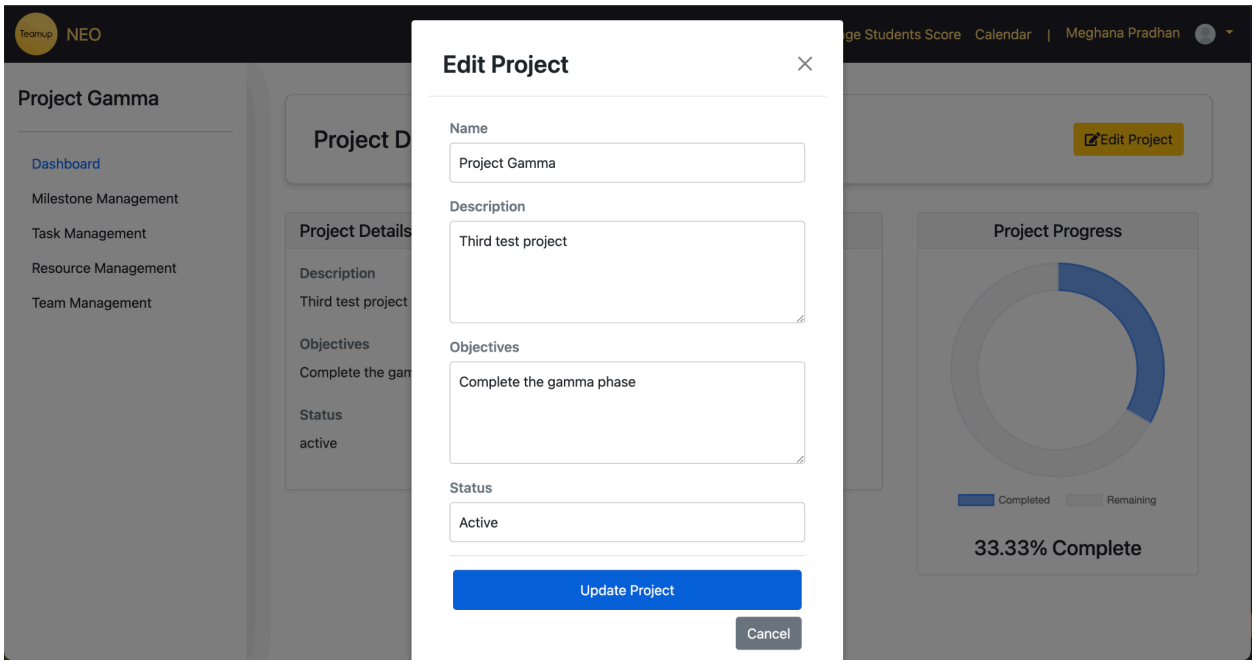
Type	Key	Summary	Status	Sprint	Assignee
	JIRA-104 JIRA-99	Student Milestones Management	COMPLETED	Sprint 3	rahaang99
	JIRA-104 JIRA-97	Admin Milestone Management (CRUD)	COMPLETED	Sprint 3	meghna.pradhan
	JIRA-104 JIRA-98	Student Task Management	COMPLETED	Sprint 3	shahakanksha
	JIRA-104 JIRA-102	Project 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

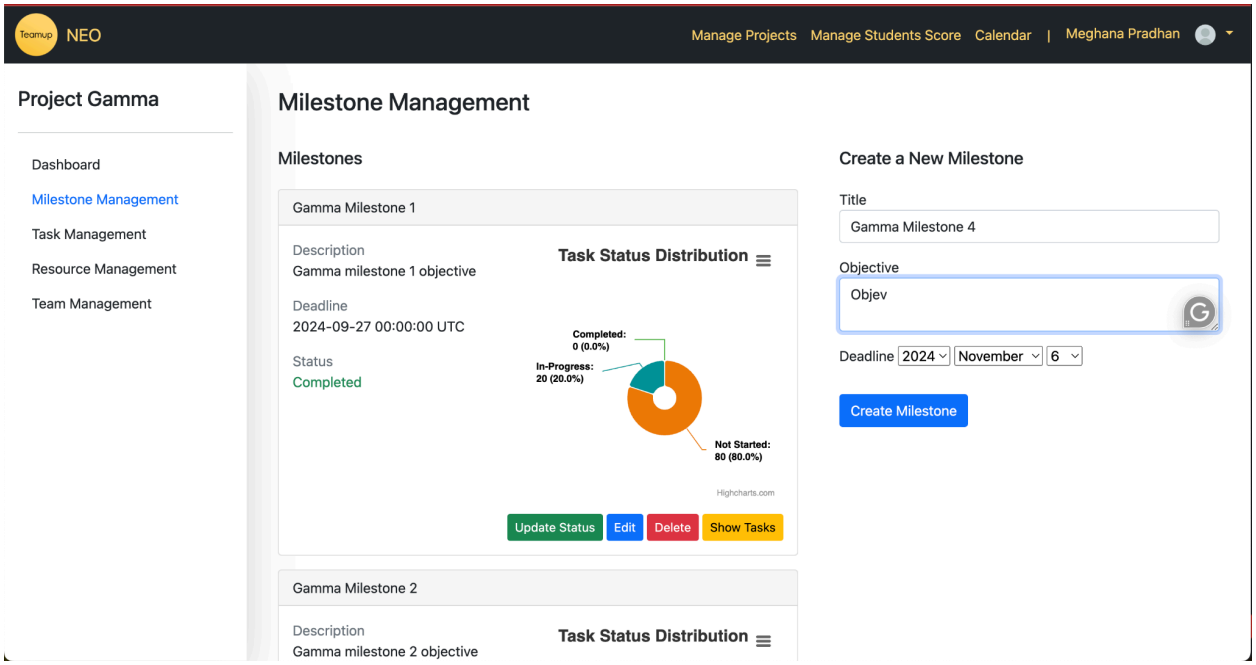
Project dashboard for admin



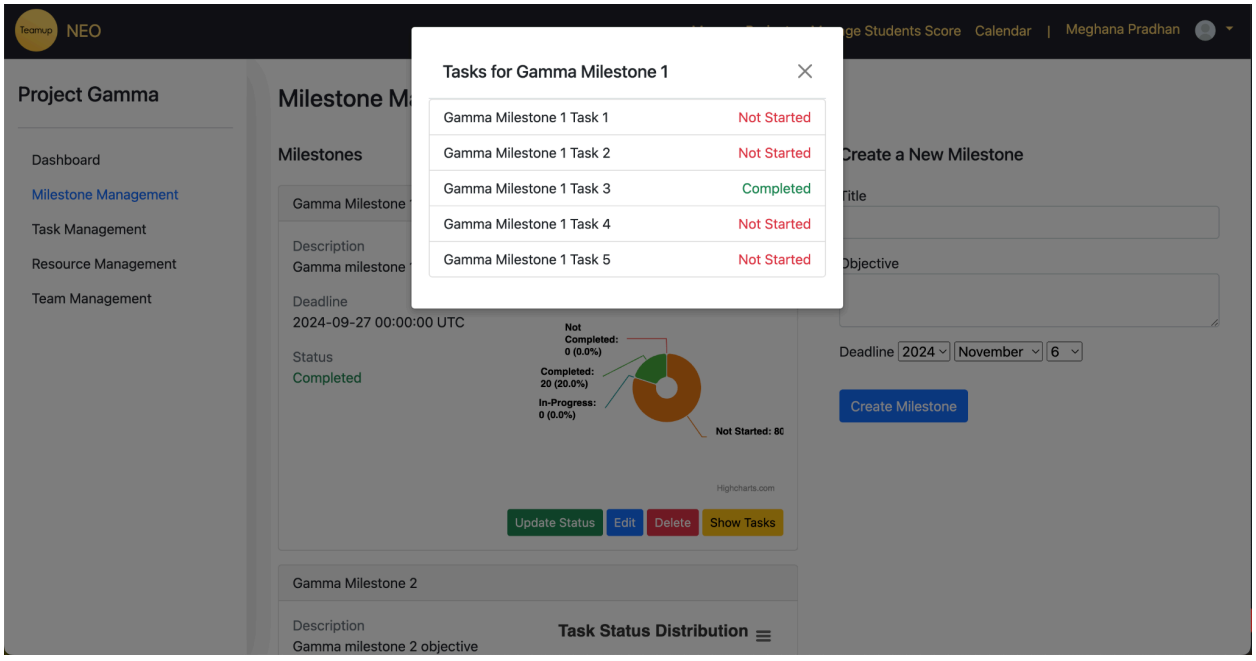
Edit Project



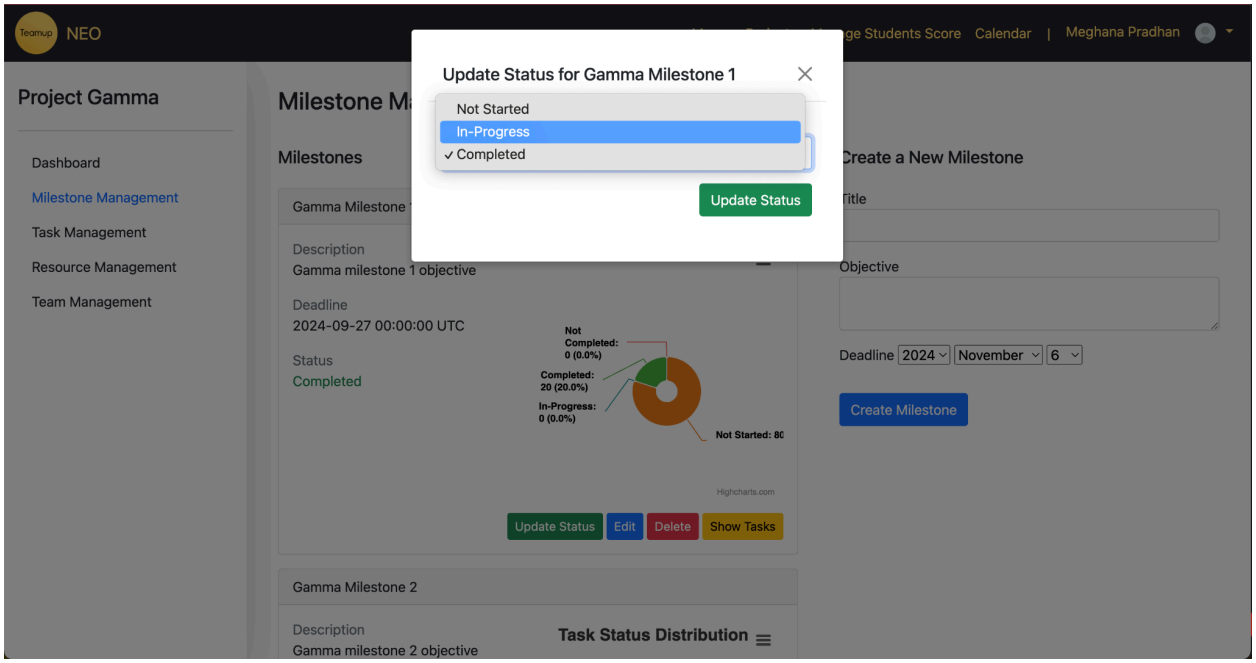
Milestone Management for admin



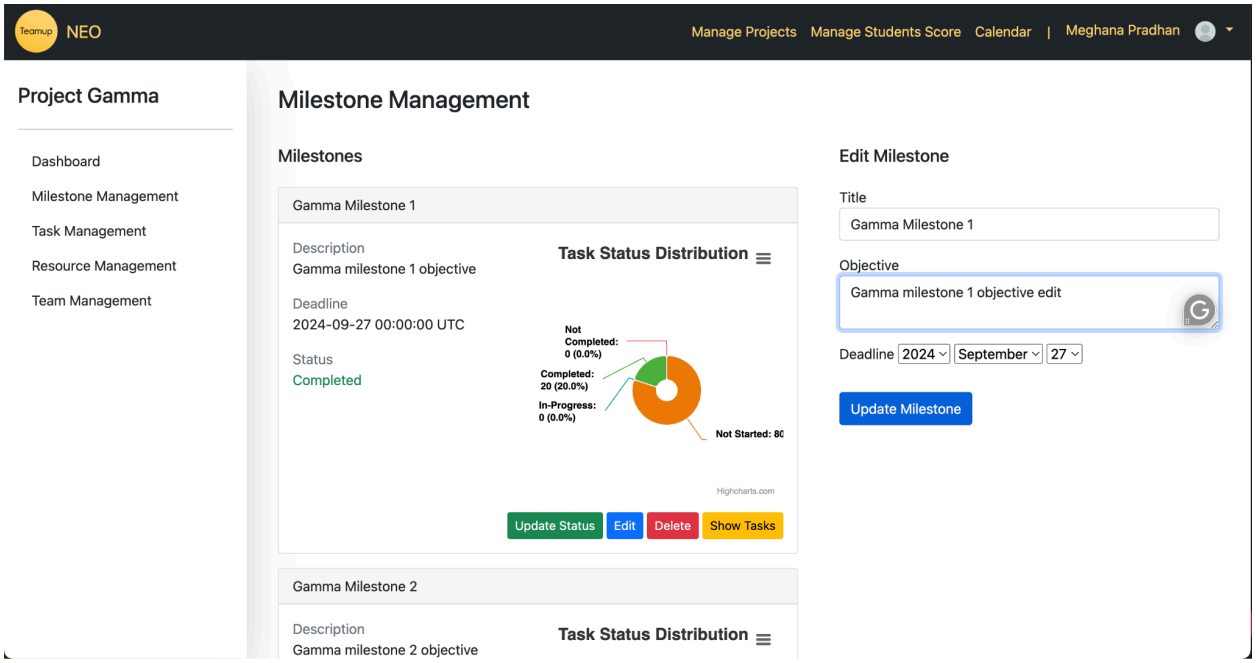
View Tasks related to Milestone



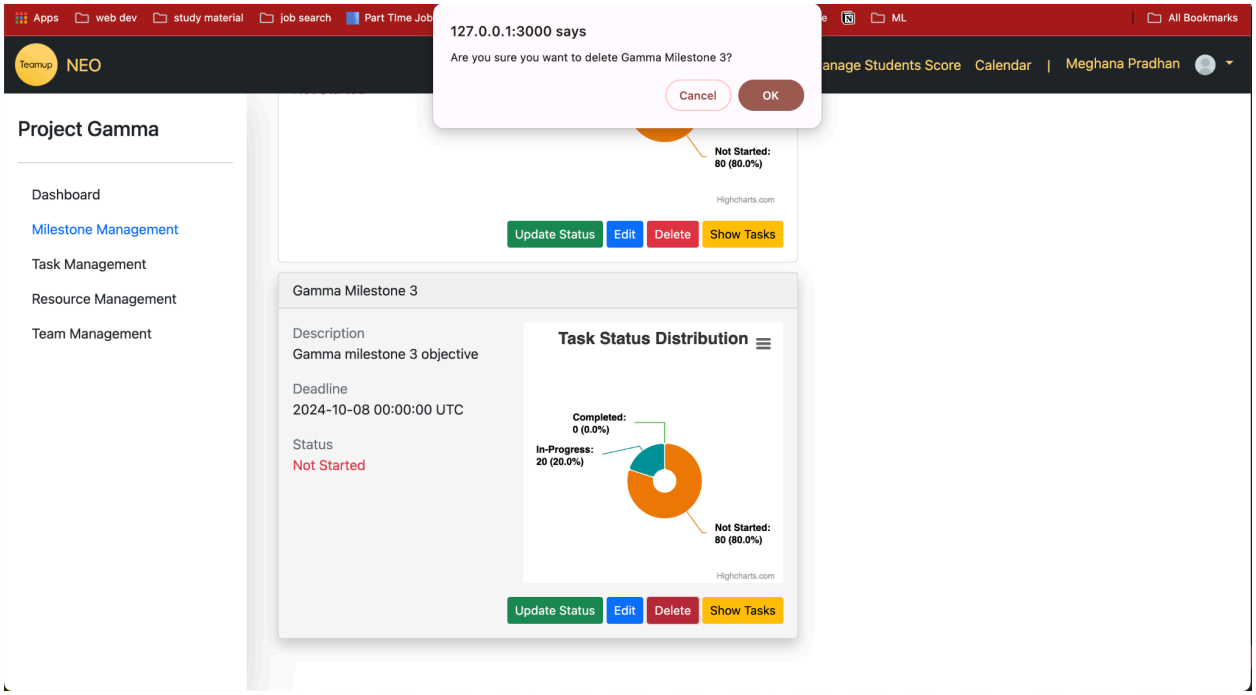
Update Milestone Status



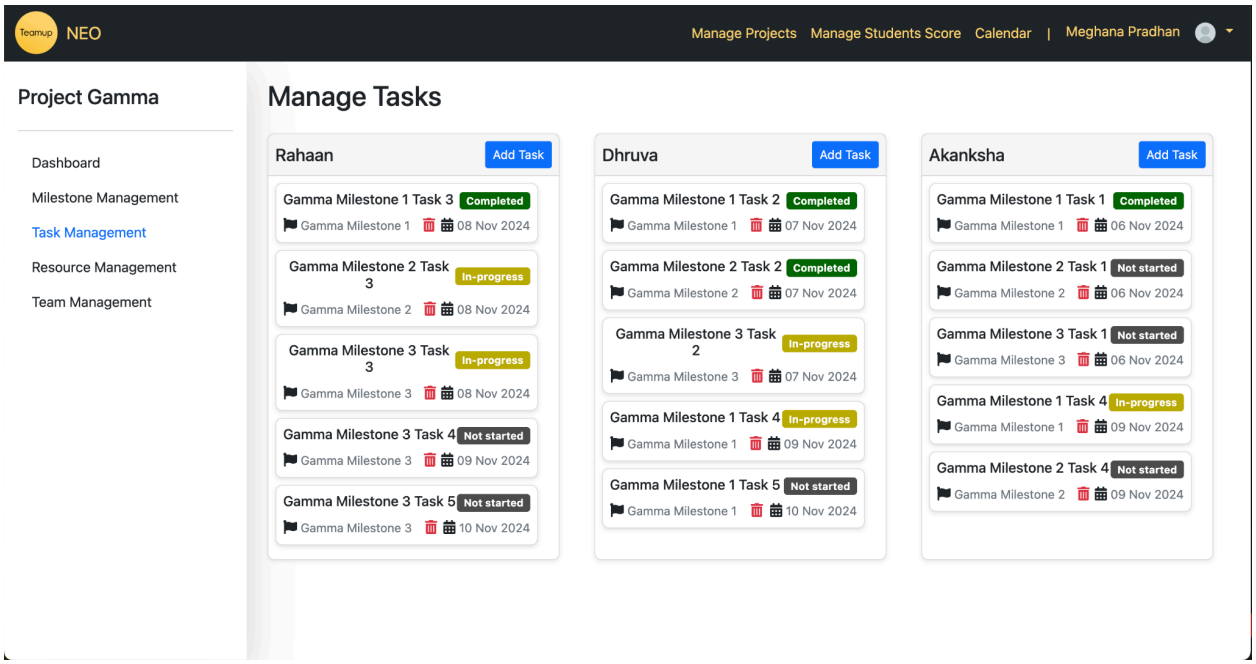
Edit Milestone



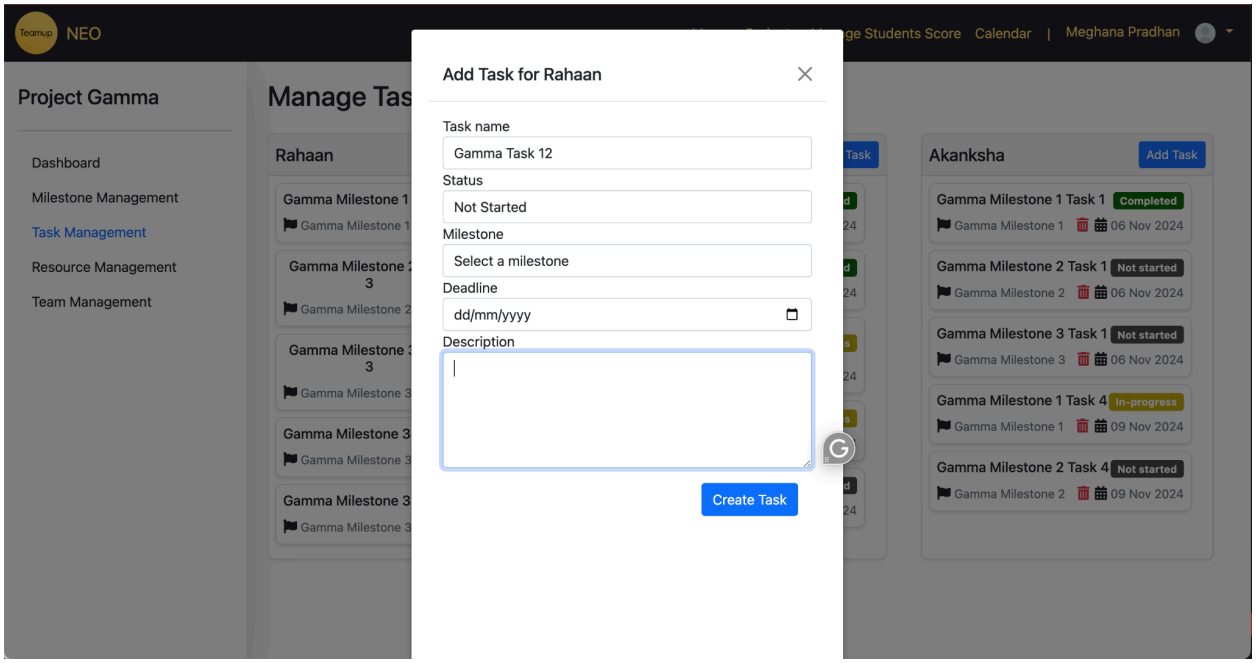
Delete Milestone



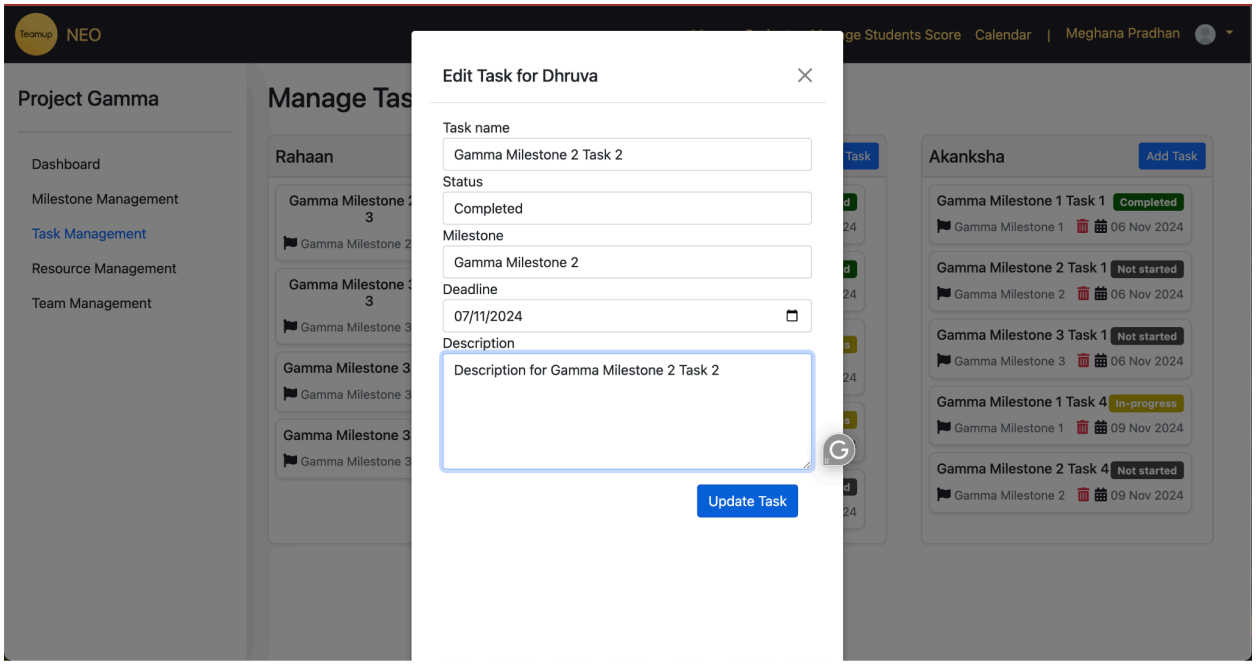
Task Management for admin



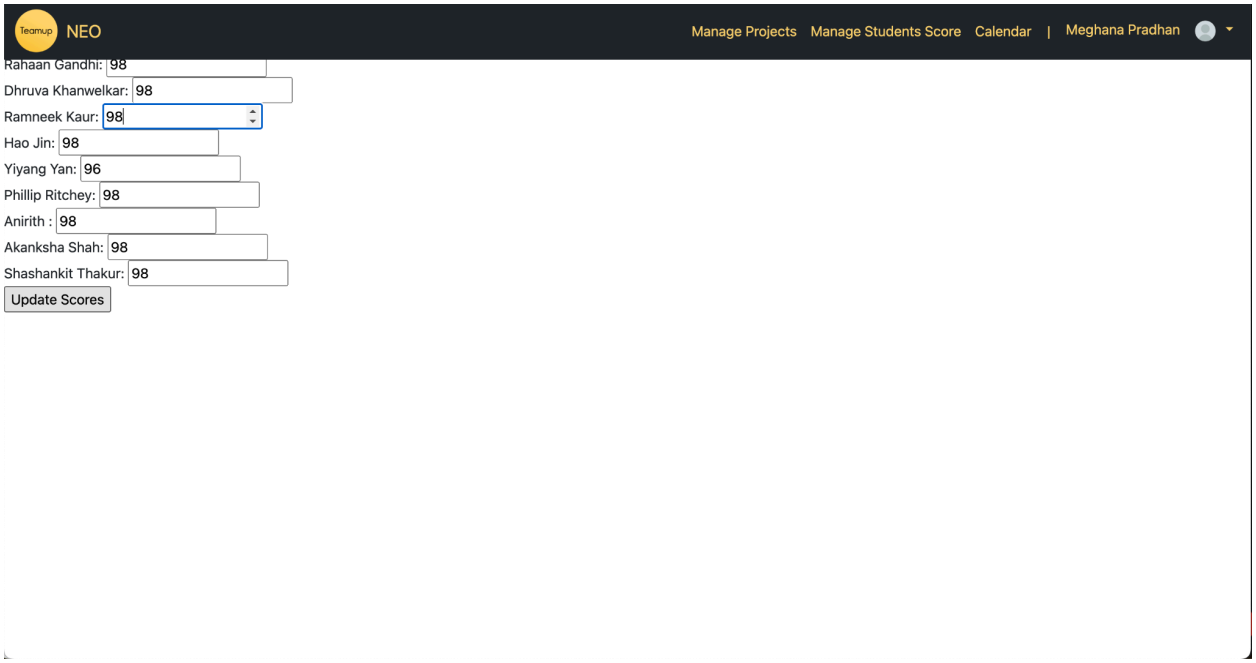
Add task for team members



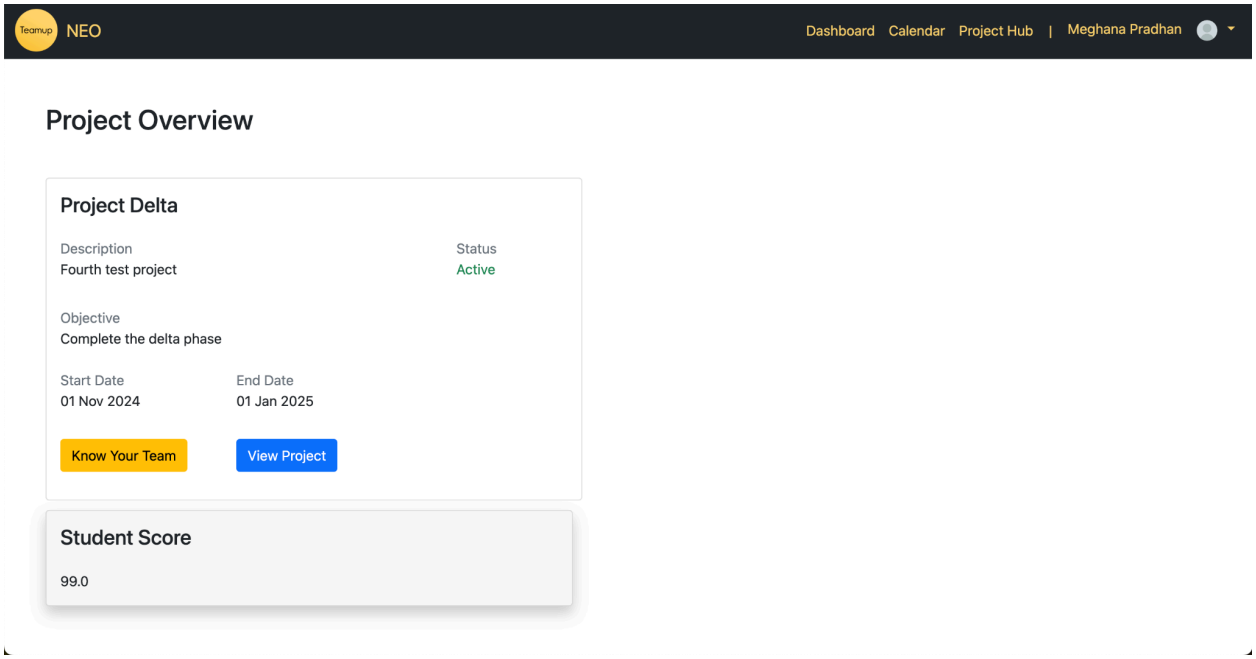
Edit the task details



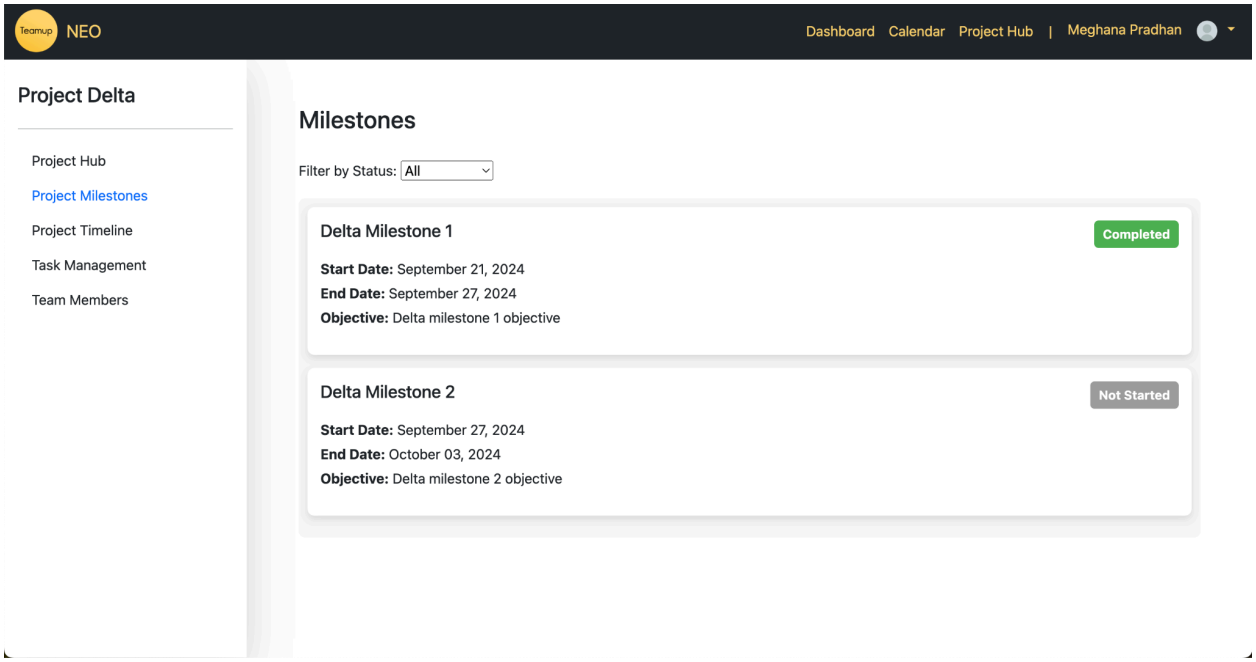
Track points earned by student towards certificate completion



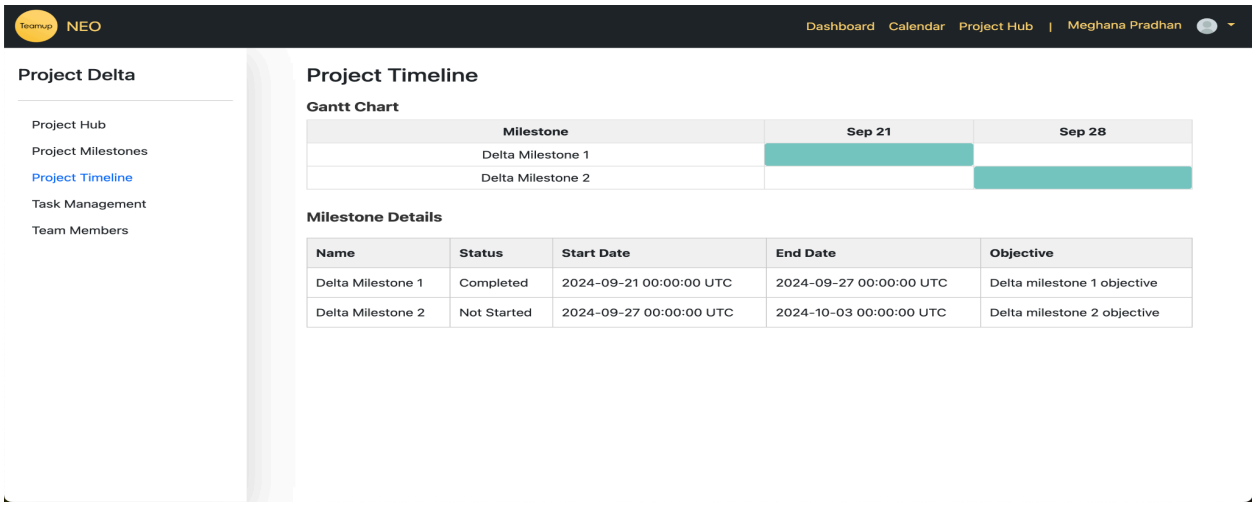
Project Dashboard for Student



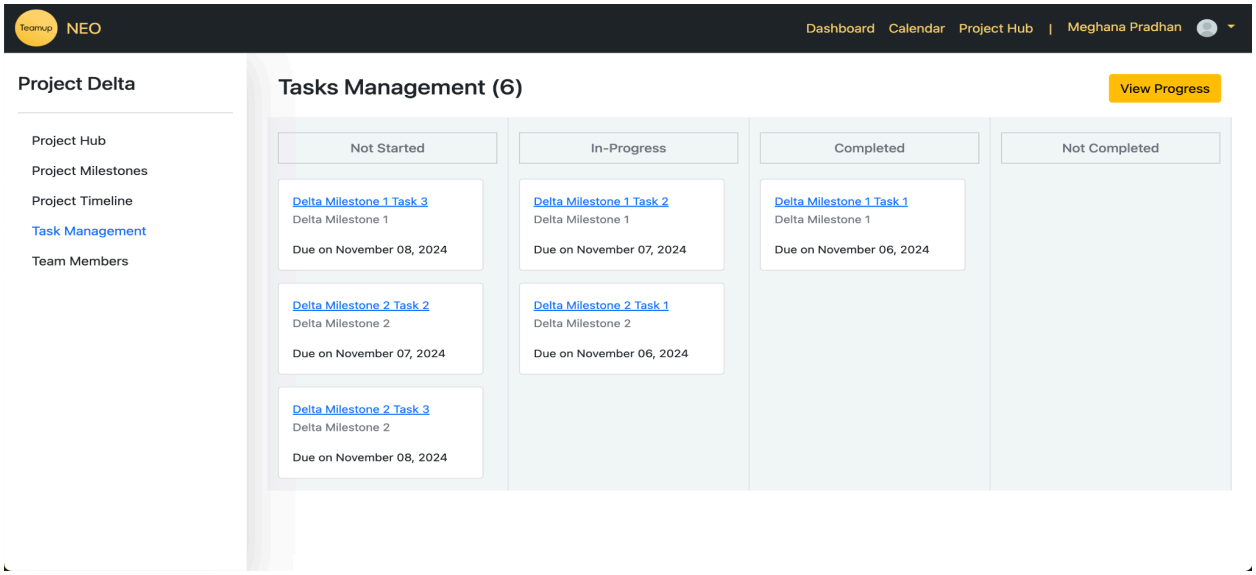
Milestone view for students



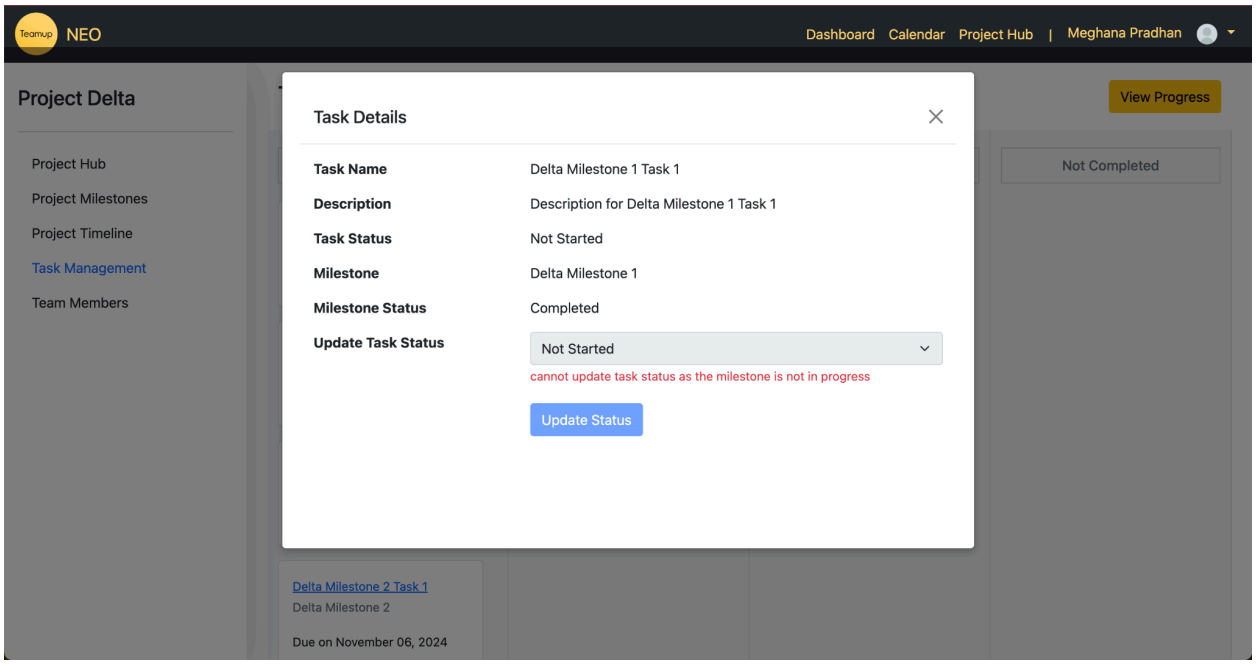
Project timeline view for student



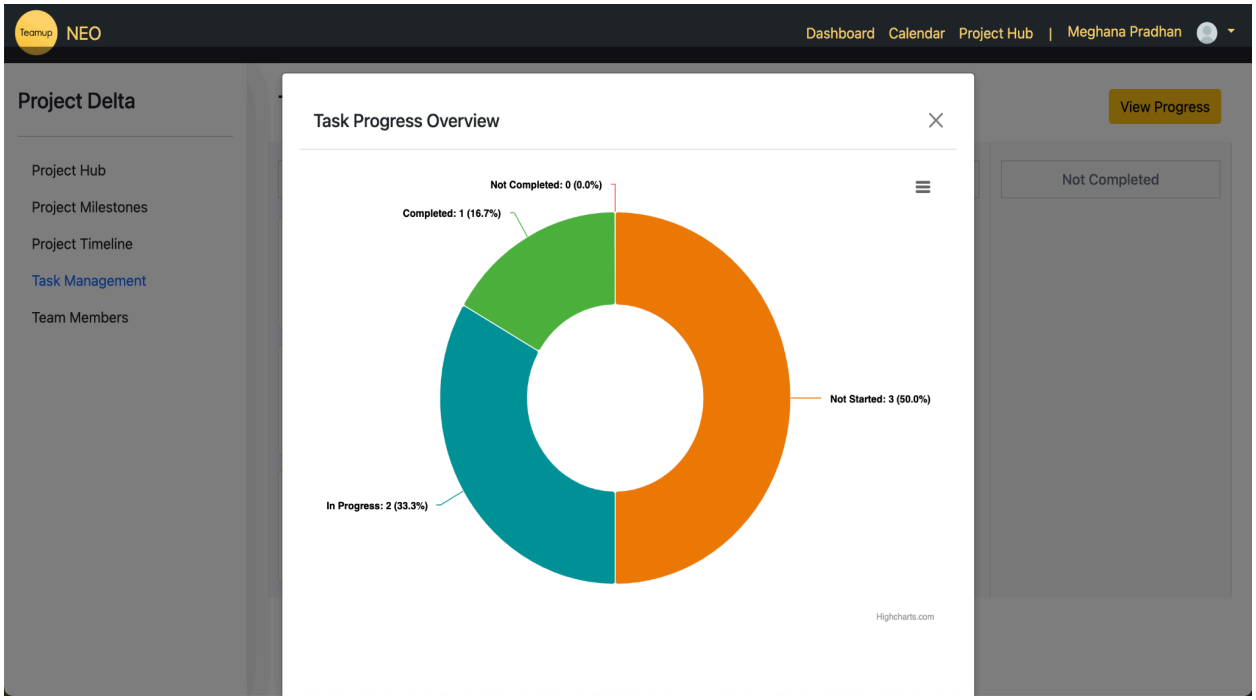
Task Management for students



Vire Task Details for student



Track task progress for student


Teamup
NEO
Dashboard
Calendar
Project Hub
|
Meghana Pradhan
Project Delta
Project Hub
Project Milestones
Project Timeline
Task Management
Team Members
View Progress
Not Completed
Task Progress Overview
Not Completed: 0 (0.0%)
Completed: 1 (16.7%)
Not Started: 3 (50.0%)
In Progress: 2 (33.3%)
Highcharts.com