PROJECT PLANNING

Date	26 June 2025
Team ID	LTVIP2025TMID53783
Project Name	Learn Hub
Maximum Marks	5 Marks

Product Backlog and Sprint Schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	As a user, I can register for the application by entering my name, email, password and role.	2	High	Praveen Sai
Sprint-1	Registration	USN-2	As a user, I will be redirected to the login page after successful registration.	1	High	Praveen Sai
Sprint-1	Login	USN-3	As a user, I can log into the system using email and password.	1	High	Praveen Sai
Sprint-1	Login	USN-4	As a logged-in user, I am redirected to the appropriate dashboard based on my role.	2	High	Praveen Sai
Sprint-2	Dashboard	USN-5	As a student, I can view "Browse Courses" and "My Courses" in my dashboard.	2	High	Praveen Sai
Sprint-2	Dashboard	USN-6	As a teacher, I can access "Create Course", "Add Section", and "Assign Course" from my dashboard.	3	High	Praveen Sai
Sprint-2	Course Creation	USN-7	As a teacher, I can create a course with title, description, category, and price.	3	High	Praveen Sai

Sprint-2	Course Section Management	USN-8	As a teacher, I can add sections to my created course using YouTube links or external articles.	3	High	Praveen Sai
Sprint-3	Course Enrollment	USN-9	As a student, I can enroll in any course visible in the Browse Courses page.	2	Medium	Praveen Sai
Sprint-3	Course Player	USN-10	As a student, I can view and play course sections I am enrolled in.	3	High	Praveen Sai
Sprint-3	Mark as Completed	USN-11	As a student, I can mark the course as completed and download a certificate.	2	Medium	Praveen Sai
Sprint-4	Course Assignment	USN-12	As a teacher, I can assign a course to multiple students via dashboard.	2	Medium	Praveen Sai
Sprint-4	Course Deletion	USN-13	As a teacher, I can delete a course even if it is assigned.	2	Medium	Praveen Sai
Sprint-4	Admin Module (Optional)	USN-14	As an admin, I can view all users and delete any course if required.	3	Low	Praveen Sai

Objective of the Planning Phase:

The Planning Phase establishes the foundation for successful project execution. This includes identifying the major features, breaking them down into manageable tasks, allocating them across sprints, and setting clear timelines for delivery.

Milestone Planning:

Phase	Description	Duration	Responsible
Requirement Gathering	Identify functional and non-functional requirements	2 Days	Team Lead
System Design	Decide architecture, database schema, and design wireframes	3 Days	Full Stack Dev

Backend Setup	Node.js server, MongoDB schema, auth, and API routes	5 Days	Backend Dev
Frontend Setup	React app structure, routing, protected routes	4 Days	Frontend Dev
Course Management Module	Create + Add section + Assign + Browse + Delete	4 Days	Full Stack Dev
Student Flow	Enroll + My Courses + Course Player + Certificate	3 Days	Frontend Dev
Admin Features	View users, delete course, manage platform	2 Days	Backend Dev
Testing & QA	Test core features, fix bugs, and validate UI/UX	3 Days	QA Tester
Deployment & Docs	Prepare documentation, deployment on cloud / local	2 Days	DevOps / All Team

High-Level Gantt Chart View (Tentative):

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Week 1:  |██████ Req & Design █████|

Week 2:  |██████ Backend & DB █████|

Week 3:  |█████ Frontend & Logic ████|

Week 4:  |███ Final Features + QA ███| Deployment
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Deliverables in Planning Phase:

- Project Goals and Scope
- User Roles and Responsibilities
- Feature Breakdown and Priority
- Resource and Time Allocation
- Project Timeline and Gantt chart
- Sprint-wise Story Point Estimation

Tools and Practices Used:

Practice	Tools/Methods
Project Planning	Notion, Excel Sheets
Sprint Management	Manual Backlog Table
Version Control	Git & GitHub
Deployment (optional)	Render / Vercel / Railway
Documentation	MS Word / Google Docs