Project Design Phase
Proposed Solution

Date	26 June 2025
Team ID	LTVIP2025TMID59525
Project Name	Learn Hub
Maximum Marks	2 Marks

Proposed Solution for Learn Hub App

S. No.	Parameter	Description
1	**Problem Statement** (Problem to be solved)	Students and educators face challenges in finding, organizing, and accessing quality learning materials and structured courses. Traditional education systems lack flexibility, progress tracking, and personalized content delivery.
2	**Idea / Solution Description**	Learn Hub is a full-stack online learning platform that connects students, educators, and admins in one centralized space. It offers course browsing, enrollment, video-based learning, interactive assessments, and certificate generation. Role-based dashboards improve experience and efficiency for each user type.
3	**Novelty / Uniqueness**	- Role-based access (student/teacher/admin) - Real-time progress tracking - Certificate generation upon completion - Filter and search by course/category - Responsive UI with modern stack (React + Express + MongoDB) - Modular backend for easy maintenance
4	**Social Impact / Customer Satisfaction**	- Enables affordable access to education - Bridges learning gaps in remote and rural areas - Encourages self-paced, flexible learning - Improves digital literacy and skill-building - Allows teachers to monetize their expertise
5	**Business Model (Revenue Model)**	- Freemium access to basic courses - Subscription-based premium courses or features - Commission on paid course enrollments - B2B model for schools and educational institutions - Potential for ad-based revenue model in free version
6	**Scalability of the Solution**	- Designed to support multiple users and courses concurrently - Supports integration with video conferencing APIs (Zoom, etc.) - Ready for mobile app development (React Native/Flutter) - Scalable backend with MongoDB and Express microservices - International expansion via language/localization support