PROJECT DESIGN

Proposed Solution Template

Date	26 June 2025
Team ID	LTVIP2025TMID53783
Project Name	Learn Hub
Maximum Marks	2 Marks

Proposed Solution Template:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Many students, especially in rural or semi-urban areas, lack access to quality and affordable learning resources. Existing platforms are either too expensive, cluttered, or not personalized for Indian learners. Teachers also find it difficult to create and distribute their educational content effectively to a broader audience.
2.	Idea / Solution Description	LearnHub is an online learning platform developed using the MERN stack that enables students to enroll in curated courses and track progress while allowing educators to easily create, manage, and assign courses with videos, documents, and quizzes. It also provides digital certification upon completion and offers a user-friendly dashboard for all users.
3.	Novelty / Uniqueness	The platform is lightweight, intuitive, and tailored for Indian students and teachers. It supports both individual and mass course assignments by teachers and integrates certificate generation. Unlike generic platforms, LearnHub enables role-based access (student, teacher, admin) and allows teachers to create micro-courses easily.
4.	Social Impact / Customer Satisfaction	LearnHub democratizes access to quality education by allowing skilled teachers to reach more students, especially in underserved areas. It empowers students to learn anytime, from any device, while enabling certification to boost their confidence and employability. The platform promotes knowledge sharing and remote learning in an inclusive way.
5.	Business Model (Revenue Model)	Freemium model: Basic courses are free. Advanced courses, teacher onboarding, certification, and mentorship programs will be part of the paid tier. Institutions can also subscribe to create and manage private

		content for their students. Teachers can monetize their courses and earn through revenue sharing.
6.	Scalability of the Solution	The application is built using a modular architecture and REST APIs, enabling easy scalability across multiple institutions or geographic regions. With cloud deployment (e.g., Render, Vercel, or AWS), it can handle increased traffic, courses, and users. The system supports role-based access, multiple user roles, and dynamic content rendering.