Project Design Phase
Proposed Solution

Date	20 Feb 2026
Team ID	LTVIP2026TMIDS79402
Project Name	Booknest : Where stories nestle
Maximum Marks	

Proposed Solution:

S.No.	Parameter	Description
1	Problem Statement (Problem to be solved)	Students, book lovers, and working professionals face difficulty in finding, comparing, and purchasing books easily due to limited availability in local stores and lack of a centralized digital platform.
2	Idea / Solution Description	A full-stack MERN web application that allows users to browse, search, and purchase books online, while enabling administrators to manage books, users, and orders efficiently through a secure dashboard.
3	Novelty / Uniqueness	Combines a responsive React frontend with secure JWT-based authentication and a scalable Node.js + Express backend connected to MongoDB, offering role-based access (Admin/User) and seamless cart-to-checkout functionality.
4	Social Impact / Customer Satisfaction	Provides convenient access to books anytime, reduces time spent searching across multiple stores, supports small bookstores in digital transformation, and enhances customer satisfaction through smooth online purchasing experience.
5	Business Model (Revenue Model)	Revenue through book sales margin, premium seller listings, sponsored books, and potential integration of online payment gateways. Future scope includes

		subscription-based membership for discounts and early access.
6	Scalability of the Solution	System can be scaled to include e-books, recommendation systems, online payment integration, multi-vendor marketplace model, and mobile application support. Cloud deployment enables handling large user traffic.