Project Design Phase
Proposed Solution Template

Date	19 February 2026
Team ID	LTVIP2026TMIDS81807
Project Name	BookNest: Where Stories Nestle
Maximum Marks	

Proposed Solution :

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Customers face difficulty finding and purchasing books efficiently through traditional bookstores or unorganized online platforms. Sellers struggle with manual inventory management, while administrators lack centralized control over users and transactions. These challenges lead to poor user experience, wasted time, and inefficient business operations.
2.	Idea / Solution description	BookNest is a web-based online book store application that enables customers to browse, search, and purchase books digitally through a centralized system. The platform provides role-based dashboards for Admin, Seller, and Customer. Customers can add books to cart, place orders, and track purchases. Sellers manage book listings and inventory, while administrators oversee users and platform activities using REST APIs connected to MongoDB.
3.	Novelty / Uniqueness	Role-based bookstore workflow, centralized inventory management, user-friendly browsing interface, secure authentication, real-time order tracking, and integrated admin governance in a single digital platform.
4.	Social Impact / Customer Satisfaction	Improves accessibility to books, reduces physical store dependency, saves time for customers, supports small sellers digitally, and enhances overall user satisfaction through convenient online purchasing.
5.	Business Model (Revenue Model)	Commission-based sales model, premium seller listings, featured book promotions, and future subscription plans for sellers..
6.	Scalability of the Solution	Built using 3-tier architecture (Frontend, Backend, MongoDB database), allowing scalable performance and easy expansion to support more users, sellers, and book categories..