<div align="center">

Project Design Phase
Proposed Solution Template

</div>

Date	02 February 2026
Team ID	LTVIP2026TMIDS77456
Project Name	BookNest: Where Stories Nestle
Maximum Marks	2 Marks

Proposed Solution :

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Book lovers often face challenges such as limited time to visit physical bookstores, restricted book availability, lack of organized catalog systems, and difficulty in comparing prices and genres. Sellers struggle with manual inventory management and limited market reach. There is a need for a centralized, secure, and scalable online bookstore platform that simplifies book discovery, purchasing, and management for both customers and sellers.
2.	Idea / Solution description	BookNest is a MERN Stack-based online bookstore application that provides a digital platform for users to browse, search, purchase, and review books conveniently. The system includes: • User registration and secure authentication • Organized book catalog with category and search filters • Shopping cart and secure checkout system • Order tracking and order history • Seller dashboard for inventory management • Admin dashboard for monitoring users and sellers The platform ensures smooth interaction between frontend (React), backend (Node.js + Express), and database (MongoDB).

3.	Novelty / Uniqueness	The uniqueness of BookNest lies in: • Role-based system (Customer, Seller, Admin) • Real-time inventory updates • Secure and scalable MERN architecture • Organized digital bookstore experience
4.	Social Impact / Customer Satisfaction	BookNest contributes socially by: • Promoting reading culture through digital accessibility • Supporting small and independent book sellers • Providing 24/7 access to books • Reducing dependency on physical store visits
5.	Business Model (Revenue Model)	BookNest can generate revenue through: • Commission on book sales from sellers • Featured book advertisements • Premium seller subscription plans • Delivery charges
6.	Scalability of the Solution	BookNest is built using a scalable 3-tier MERN architecture: • React for frontend scalability • Node.js & Express for handling concurrent requests • MongoDB for flexible NoSQL data storage