Project Design Phase
Proposed Solution Template

Date	22 June 2025
Team ID	LTVIP2025TMID55634
Project Name	Booknest: Where Stories Nestle
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in the proposed solution template.

S.No.	Parameter	Description
1	**Problem Statement**	In today's busy lifestyle, book lovers often struggle to find time to visit physical stores. Moreover, local availability and selection are often limited. There is a need for a centralized online platform to browse, wishlist, and purchase books conveniently, with the ability for admins to manage inventory efficiently.
2	**Idea / Solution Description**	Booknest is a full-stack MERN web application that serves as an online bookstore. It allows users to register/login, browse/filter books by genre or author, add to wishlist/cart, and place orders. Admins can upload books, manage inventory, and track orders through a secured dashboard. The system is role-based, responsive, and scalable.
3	**Novelty / Uniqueness**	Unlike static book listings or basic e-commerce demos, Booknest includes features like image upload, dynamic wishlist toggling, admin-controlled order status updates, and JWT-based secure role access. It simulates real-world functionality typically found in large e-commerce platforms but built fully as a solo MERN stack project.
4	**Social Impact / Customer Satisfaction**	The solution empowers readers with easier access to diverse book collections and allows book sellers/admins to manage inventory digitally. It supports learning, literacy, and digital convenience—especially helpful for students, working professionals, and rural readers.
5	**Business Model (Revenue Model)**	Booknest can adopt a commission-based model for authors/vendors, ad monetization, or subscription-based premium access (e.g., early releases, personalized recommendations). Affiliate partnerships with publishers can also be considered.
6	**Scalability of the Solution**	Built with a modular, RESTful, and stateless architecture using the MERN stack, Booknest is fully scalable. It can be extended to support multi-vendor management, mobile apps, payment integration, analytics, and even cloud-native deployment using services like Vercel, Render, or AWS.