

Project Design Phase
Proposed Solution Template

Date	13 April 2025
Team ID	SWTID1743509015
Project Name	iMovies – Online Movie Ticket Booking System
Maximum Marks	2 Marks

Proposed Solution Template:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Lack of a unified, user-friendly platform for browsing, selecting, and booking movie tickets online with features like favorites, offers, and admin management.
2.	Idea / Solution description	iMovies is a MERN stack-based web application that allows users to explore movies, book tickets, manage favorites, and view personalized recommendations. It includes both user and admin panels, JWT-based secure authentication, and MongoDB for storing users, movies, bookings, and offers.
3.	Novelty / Uniqueness	The platform combines a modern UI, personalized recommendations based on favorite genres, and ad-based revenue without charging users a booking fee.
4.	Social Impact / Customer Satisfaction	Encourages digital engagement in entertainment, especially in tier-2 and tier-3 cities; improves customer satisfaction with a seamless and visually appealing interface.
5.	Business Model (Revenue Model)	Revenue is generated through targeted advertisements shown in-app and optionally displayed on e-rickshaws partnered with local cinemas. No platform fee from users.
6.	Scalability of the Solution	The solution is scalable horizontally via containerization and cloud deployment (e.g., Vercel, Render, MongoDB Atlas). Features like payment integration and mobile app support can be added later.