Project Design Phase
Proposed Solution Template

Date	15 February 2025
Team ID	
Project Name	Rhythmic Tunes
Maximum Marks	2 Marks

Proposed Solution for Music Streaming App

S. No.	Parameter	Description
1	**Problem Statement** (Problem to be solved)	Users often struggle to find a seamless, personalized music streaming experience that offers high-quality playback, real-time recommendations, and an intuitive user interface. This project aims to provide a responsive and engaging music streaming platform that integrates with a third-party API.
2	**Idea / Solution Description**	The Music Streaming App is a React-based frontend solution that allows users to search, stream, and manage their favourite music. It leverages a third-party API to fetch music data and ensures an intuitive and interactive UI/UX for a seamless experience. Users can create and manage playlists, search for songs/artists, and enjoy personalized recommendations.
3	**Novelty / Uniqueness**	- **Personalized Playlists & Recommendations** using AI-powered API suggestions - **Intuitive UI/UX** with responsive design across devices - **Cross-Platform Support** for both mobile and web users - **Seamless Integration** with third-party music APIs for vast content availability
4	**Social Impact / Customer Satisfaction**	- Provides an **ad-free music streaming experience** with customizable playlists - **Brings emerging artists** to a wider audience through recommendations - **Increases user engagement** through interactive features like favourite tracks, genre-based suggestions, and social sharing
5	**Business Model (Revenue Model)**	- **Freemium Model**: Free tier with ads, premium subscription for an ad-free experience - **In-App Purchases**: Exclusive access to curated playlists, offline downloads - **Affiliate Partnerships**: Integration with brands and music merchandise stores
6	**Scalability of the Solution**	- Can be **expanded globally** by integrating multiple third-party music APIs - Supports **multi-user profiles** for enhanced personalization - Can be extended to **mobile applications** for iOS & Android using React Native - Potential integration with **AI-driven recommendation engines** for improved user experience