FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY(FISAT)
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

MINI PROJECT (CSD 334)
SEMESTER VI (ACADEMIC YEAR 2024-2025)
MINI PROJECT PROPOSAL

BATCH NO: TEAM-3

DOMAIN : WEB DEVELOPMENT

PROJECT TITLE : RIFF_AI

TEAM MEMBERS

NAME	ROLL NO	REGISTER NO.
Vishnu Krishnakumar	61	FIT22CS193
Siddharth Nair S	43	FIT22CS175
Sheron Roy	39	FIT22CS171
Wilson Nevin	63	FIT22CS195

LANGUAGES EXPECTED TO BE USED : Typescript
Python

PACKAGES/LIBRARIES/EXTERNAL APIs EXPECTED TO BE USED (IF ANY) :

SPECIAL HARDWARE INTERFACES EXPECTED TO BE USED (IF ANY) :

APPLICATIONS (Also include socially relevant applications) :

1.Personalized Music Streaming – Users receive AI-curated playlists based on their mood, activity, and listening history.
2.Mood-Based Recommendations – Suggests music based on emotional state, such as happy, relaxed, or focused.
3.Event & Party Playlists – Automatically creates playlists suited for gatherings, parties, or special occasions.
4.Mental Wellness & Relaxation – Uses AI to curate calming music for meditation, sleep, and stress relief.
5.Integration with Streaming Services – Connects with platforms like Spotify, Apple Music, or YouTube Music for seamless playlist generation.

PROBLEM STATEMENT

Modern music listeners often struggle to find music that accurately matches their mood.
• Current platforms rely on generic playlists and algorithms that overlook subtle emotional nuances, making it difficult to navigate the overwhelming number of choices.
• Alternatives like Playlistable and Spotify's AI Playlist offer playlist generation features but still face similar issues, including limited personalization and a bias towards popular artists.

ABSTRACT

Riff.AI is an AI-powered music recommendation system designed to curate personalized playlists by analyzing user preferences, listening history, and contextual factors such as mood, time of day, and weather.
By leveraging advanced machine learning techniques, Riff.AI enhances the music streaming experience by providing intelligent, adaptive, and engaging recommendations. The system integrates seamlessly with popular music streaming services, ensuring effortless access to curated playlists that evolve with user behavior.
Through AI-driven insights, Riff.AI aims to redefine personalized music discovery, making listening experiences more intuitive and enjoyable.

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NAME & SIGNATURE :

(PROJECT GUIDE)