**ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING**

**Title:** “AI TOOL FOR MUSIC RECOMMANDATIONS USING FEELINGS FROM THE USER

**SECTION:** 1A **DEPARTMENT**: ECE

**Problem Statement:**With the vast amount of music available today, finding songs that match individual preferences can be overwhelming. People often spend a significant amount of time searching for new music that aligns with their tastes. User struggle to find music that fits their mood due to overwhelming choices. An AI tool is needed to recommend songs based on emotional feedback, simplifying discovery.

**Explanation:**The goal is to create an AI system that can recommend songs to users based on their emotional state. Imagine you’re feeling down or happy, and you want music that matches your mood. The tool will ask for feedback about how you’re feeling and recommend songs based on that feedback. Over time, the system will improve, learning from what you like or dislike to give better suggestions in the future.

**Algorithm:**Emotion Recognition with Neural Networks. This approach uses a neural network to analyze the user's input and determine their emotional state, then recommends songs that align with the detected sentiment. Since its simple Implementation using Python.

Recommendation Generation: Based on the recognized intent, the chatbot utilizes either a collaborative filtering algorithm or a content-based filtering algorithm. Collaborative filtering suggests songs based on the preferences of users with similar tastes, while content-based filtering recommends songs with attributes similar to those the user already enjoys.

**Team Members**

2320040034- k. Sindhu Reddy

2320040074- V. Harshini Chowdary