

**Andhra Loyola Institute of Engineering and Technology**

**Department of Computer Science and Engineering**

**Music Recommendation Application**

**Based on Facial Expressions**

**Abstract:**

Music is the form of art, which is known to have a greater connection with a person’s emotion. It has got a unique ability to lift up one’s mood. Our project focuses on building an efficient music recommendation system which determines the emotion of user using Facial Recognition techniques. Facial Recognition has widely attracted attention due to its enormous application value and market potential. Face recognition Technology is being implemented in various fields like security system, digital video processing, forensic investigation and many such technological advances. Our algorithm for Facial recognition being Viola Jones is implemented because it’s proved to be more proficient than most of the existing systems. Moreover, on a larger dimension, recommending readymade playlists based on the user’s mood would render savage of time and labor invested in performing the process manually. The overall concept of the system is to recognize facial emotion, mood and recommend songs efficiently. The proposed system will be both time and cost efficient.

**Domain:** Machine Learning

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