**FACE EMOTION BASED MUSIC PLAYER**

**SYOPSIS**

**SUBMITTED BY**

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In Partial fulfilment for the award of the degree of

**BACHELOR OF ENGINEERING IN COMPUTER SCIENCE AND ENGINEERING**

## AT

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**FACE EMOTION BASED MUSIC PLAYER**

Music is an important medium of life. Everyone likes to listen music but what if we made more easier for user to listen music by differentiating their mood? Now a days we have grown up with advanced technology. Many mobile applications have come up with many functions like emotion capturing with artificial intelligence, gesture, sleeper time, lyrics, shuffle play and many more. This application is randomly similar that off but here we came up with new function called Emotion Based Music Player with many different Moods. Here user can select music list depending on their current emotion or we can also call as mood so after clicking to different types of mood a list of songs would be displayed. And user can also search their favourite songs by searching in-search tab. User can also create their playlist. This application is made for online as well as offline too. User can easily handle this application because many of us have been using different kind of music players day-by-day.

**Objective And Scopes**

Project Emotion Based Music Player is a novel approach which helps user to play the songs according to their emotion / mood. In android we can apply many features. This application is made for android users only from seventh version which is (Nought) and further more. Firstly, user have to sign up or login to access the application and then can according search songs or by just clicking on moods user can also access songs play list. user can also access this application on desktop too. To access in desktop user, need windows7 or further version. User can also upload his / her playlist from device. Also, can download songs and also can share from our application. In this application dark as well as light theme are provided for user eye comfort. Users can boost their sound in equalizer. Our application does not contain any add because we have observed in many famous applications they put add in middle and we get disturbed so just to make user happy we haven’t collaborated with any type of article add. And we believe in equality so we haven’t added any premium package this application is same for all user.

**Description**

Using traditional music players, a user had to manually browse through his playlist and select songs that would soothe his mood and emotional. In today’s world, and technology, various music players have been developed with features like fast forward, reverse, variable playback, streaming.

**APPLICATION**

* Plays songs according to user mood and emotions.
* Act as plugins for website.
* Recommended for YouTube.

**Advantages**

The Emotion Based Music Player system will be of great advantage to the user looking for music based on their moods and emotional behaviour.

* It will help to reduce the searching time.
* User can play song effortlessly.
* Songs will be played according to the user's mood.
* User can also download songs from this application.

**REQUIREMENTS**

**HARDWARE REQUIRMENT**

* Processor: - Ryzen 5 3450U.
* RAM: - 8 GB RAM.
* Space Required: - 500MB.

**SOFTWARE REQUIREMNT**

Requirement deal with define software resource requirements and pre-requisites. That need to be installed on a computer to Provide optimal functioning of an application.

* Python 3.10.5
* PyCharm

**Libraries Requirement**

* **OpenCV**

OpenCV-Python is a library of Python bindings designed to solve computer vision problems.

* **Keras**

**Keras** is an open-source software library that provides a Python interface for artificial neural networks.

* **NumPy**

**NumPy** is a Python library used for working with arrays. It also has functions for working in domain of linear algebra, Fourier transform, and matrices.

**CONCLUSION**

This Project has been developed to give us a great advancement in the field of human behaviour. In this project we have used more than 9 moods which can be ordinarily found in humans. Emotion Based Music Player fulfil to sort out music based on moods. Our main aim is to consume user’s time and to satisfy them. We have designed this platform in such a manner that it can run in Web browser.

**References**

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