

Problem - Music is a part of everyone's life, music has been around forever and it will always be around and because it's a part of everyone's life it knows no boundary but interestingly enough in this whole new musical revolution, there are no music providers who can give you music recommendations according to your mood or according to your heart rate there are music providers like Spotify, apple music, or YouTube music but none of them actually understand moods of the listener they might give recommendations according to the songs you have listened to earlier in the same similarity but not about real-time understanding your heart rate or mood and then recommend a song or plays it.

Idea - It's a tool for the heart and when you can touch someone's heart that's limitless these are one of the lines from steve jobs movie at Ipod launch. Suppose you have a playlist of 100 or may be 1000 fav songs up to you any number on any music platform and the music plays or shuffle according to your heart beat so that it may boost exercise ability, ease stress and anxiety and enhance recovery from strokes.

Basically smartwatch will monitor the heart beat and provide it to music player and then music player will try to understand your moods/emotions and will pickup a song from your playlist by matching it with your moods/heart beat in the real time and try to sync your heart beat with bpm music making it like an exercise for your heart.

Advantages -

Improve blood vessel function by relaxing arteries
Help heart rate and blood pressure levels to return to baseline more quickly after physical exertion
Ease anxiety in heart attack survivors
Help people recovering from heart surgery to feel less pain and anxiety (and possibly sleep better).

Background – Songs effect are temporal and gradual
The order of songs is important
Certain activities require specific songs in different genres, moods
Limited listening period

Phases -

Phase_1 : Understanding Music Emotions

In this phase we will try to build deep learning model to classify songs in one's playlist on basis of emotions/genres in real time.

Phase_2 : Understanding Listeners Emotions

In this phase we will try to understand human emotion by mapping their heart rhythm by studying their heart rate through smart devices in real time.

Phase_3 : Connecting Phase_1 & Phase_2

If we completed both Phase_1 & Phase_2 successfully, then the most difficult phase will be this phase as understanding a listener's emotions & understanding songs emotions from your playlist and then connecting them in real time will be very difficult.