Claims

We Claim:

1. A system (30) for adaptation of music with a pace of a user, comprising:

a smart wearable device configured to track an activity of the user to provide an activity tracker data, wherein the activity of the user is at least one of a walking, jogging, running, swimming, cycling and wherein, the activity tracker data includes at least one of step counts, pace maintained by the user for each activity, average heart rate during the activity, fatigue level, sleep level, stress level, GPS data, distance, and BMI;

a mobile device (105) configured with an application server (107), wherein:

the mobile device (105) is further configured with a mobile application which is capable of receiving an activity tracker data of the user from the smart wearable device and to generate an activity tracker data and transmitting the activity tracker data to the application server (107) through a communication network (109), wherein the application server is capable of monitoring, recording, and analyzing the activity tracker data;

a database (111) to store the activity tracker data from the mobile device (105); and

a music player (113) to play a music, wherein the music player (113) is configured with the mobile device (105), capable of performing the at least one of selecting, playing, changing, pausing or halting the music based on the pace of a user, wherein the music is directly mapped with the pace, wherein, the pace of the user is quotient of activity tracker data multiplied with the normal pace of user, wherein, the quotient is the average of current activity tracker data with respect to the optimal activity tracker data; and the system (30) is configured to adapt the music with a pace of a user and characterized to perform the steps of:

receiving, by the smart wearable device, a heart rate average of the user, wherein, the heart rate average is a mean value of heart rate and its intensity value in a heart rate zone when the activity is performed, wherein the heart rate zone represents different percentages of maximum heart rates;

checking, by the application server, the heart rate average value is within the fat burn range; and

playing, by the music player, a music based on the heart rate average, and wherein, the music is stopped and pace of the music is reevaluated when the subject heart rate average is less than at least one of heart rate zone, wherein, the pace of the

music is reevaluated when the subject heart rate average is greater than the at least one of heart rate zone.

2. The system of claim 1, wherein the music player is configured to automatically select, play, change, pause or halt the music based on the computed pace of the user, in real time.
3. The system of claim 1, wherein the system is configured to receive an input from the user to change the pace anytime during the activity of the user and ongoing music adapts to the changed pace, with a time lag of 3 to 5 seconds.
4. The system of claim 1, wherein the mobile device (105) is capable of suggesting and selecting the music or audio file to match the pace of the user either an increase and/or decrease in pace of the user, wherein the mobile device (105) automatically determine the duration of the activity of the user, wherein the mobile device (105) asks the user to enter input with regard to the duration for the activity and the pace of the user and appropriate music is auto selected for the inputted duration and pace.
5. The system of claim 4, wherein the music player (113) automatically adjusts the music to the selected pace, wherein the paces selected by the user, or the suggestions or automated made by the mobile device (105) help the user when the user logs in another time to view the suggestions, enabling the user to select the appropriate activity cycle or a pace based on an historical data of the user.
6. The system of claim 1, wherein, the music player pauses or halts or stops the music when the chosen pace is not maintained by the user.