CLAIMS

We claim:

1. A method (10) for adaptation of music with a pace of a user, the method comprises the steps of,
    a. tracking (100) an activity of the user using a smart wearable device (101) to provide an activity tracker data;
    b. transmitting (110) the activity tracker data to at least one mobile application (103) comprising of at least one mobile device (105) configured with an application server (107) through a first communication network (109);
    c. processing (120) the activity of the user with respect to the pace of a user to provide a processed activity tracker data;
    d. storing (130) the processed activity tracker data in a database (111); and
    e. performing (140) at least one of selecting, playing, changing, pausing or halting a music based on the pace of the user by a music player (113) configured with the mobile application (103).

2. A method for adaptation of music with a pace of a user as per claim 1, wherein activity of the user includes but not limited to walking, jogging, running, swimming, cycling.

3. A method for adaptation of music with a pace of a user as per claim 1, wherein smart wearable device (101) includes but is not limited to smart watch, smart band, smart apparel and smart belt.

4. A method for adaptation of music with a pace of a user as per claim 1, wherein activity tracker data includes but not limited to, step counts, pace maintained by the user for each activity, average heart rate during the activity, fatigue level, sleep level, stress level, GPS data such as altitude variation, elevation, distance covered, body mass index (BMI) values.

5. A method for adaptation of music with a pace of a user as per claim 1, wherein the application server (107) is capable of monitoring, recording, and analysing the user data.

6. A method for adaptation of music with a pace of a user as per claim 1, wherein the music player (113) is capable of automatically selecting, playing, changing, pausing or halting the music based on the pace of user.

7. A method for adaptation of music with a pace of a user as per claim 1, wherein the mobile application (103) halts the music upon cessation of the pace of user.

8. A method for adaptation of music with a pace of a user as per claim 1, wherein the user can change pace of user manually anytime during the activity of user.

9. A system (20) for adaptation of music with a pace of a user, comprising:

a smart wearable device (101) connected to at least one mobile application (103) comprising of at least one mobile device (105) configured with an application server (107), wherein:

the mobile application (103) is capable of tracking an activity of the user to generate an activity tracker data and transmitting the activity tracker data to the through a communication network (109); a database (111) to store the activity tracker data from the at latest one mobile application (103); and a music player (113) to play a music, wherein the music player (113) is configured with the mobile application (103), capable of performing 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.

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

at least one mobile application (103) comprising of at least one mobile device (105) configured with an application server (107), wherein:

the mobile application (103) is capable of tracking an activity of the user to generate an activity tracker data and transmitting the activity tracker data to the application server (107) through a communication network (109); a database (111) to store the activity tracker data from the at latest one mobile application (103); and a music player (113) to play a music, wherein the music player (113) is configured with the mobile application (103), capable of performing 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.

Claims

We Claim:

1. A method (10) for adaptation of music with a pace of a user, the method (10) comprises the steps of:
    a. tracking (100) an activity of the user using a smart wearable device (101) to provide an activity tracker data;
    b. transmitting (110) the activity tracker data to a mobile device (105) configured with an application server (107) through a first communication network (109);
    c. processing (120) the activity of the user with respect to the pace of a user to provide a processed activity tracker data;
    d. storing (130) the processed activity tracker data in a database (111); and
    e. performing (140) at least one of selecting, playing, changing, pausing or halting a music based on the pace of the user by a music player (113) configured with the mobile device (105), wherein performing process comprises of suggesting and selecting the music or audio file to match the pace of the user either an increase and/or decrease in the pace of the user, wherein the mobile device (105) automatically determines 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, 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.
2. The method for adaptation of music with the pace of the user as claimed in claim 1, wherein the activity of the user is at least one of a walking, jogging, running, swimming, cycling.
3. The method for adaptation of music with the pace of the user as claimed in claim 1, wherein smart wearable device (101) is at least one of a smart watch, smart band, smart apparel and smart belt.
4. The method for adaptation of music with the pace of the user as claimed in claim 1, wherein activity tracker data is at least one of a, step counts, pace maintained by the user for each activity, average heart rate during the activity, fatigue level, sleep level,

stress level, GPS data such as altitude variation, elevation, distance covered, body mass index (BMI) values.

5. The method for adaptation of music with the pace of the user as claimed in claim 1, wherein the application server (107) is capable of monitoring, recording, and analysing the activity tracker data.
6. The method for adaptation of music with the pace of the user as claimed in claim 1, wherein the music player (113) is capable of automatically selecting, playing, changing, pausing or halting the music based on the pace of user.
7. The method for adaptation of music with the pace of the user as claimed in claim 1, wherein the mobile device (105) halts the music upon cessation of the pace of user.
8. The method for adaptation of music with the pace of the user as claimed in claim 1, wherein the user can change pace of user manually anytime during the activity of the user.
9. A system (20) for adaptation of music with a pace of a user, comprising:
   a smart wearable device (101) connected to a mobile device (105) configured with an application server (107), wherein:
   the mobile device (105) is capable of tracking an activity of the user to generate an activity tracker data and transmitting the activity tracker data to the application server (107) through a communication network (109); 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 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 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, 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.
10. A system (30) for adaptation of music with a pace of a user, comprising:

a mobile device (105) configured with an application server (107), wherein:
the mobile device (105) is capable of tracking an activity of the user to generate an activity tracker data and transmitting the activity tracker data to the application server (107) through a communication network (109); 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.