Claims

We Claim,

1. A method of connecting users of wearable devices (710-770), said method comprising:

scanning and sensing, by a device (710), the location of wearable devices in a first network;

collecting, by the device (710), a unique identification (UID) of a first set of wearable devices (720-770) that are within the vicinity of the device (710), wherein the vicinity is a Bluetooth coverage area of the device (710);

retrieving, by the device (710), profile data, preference data, and performance metrics (300) comprising sensor data of each wearable device in the first set of wearable devices (720-770), wherein the sensor data is received from a plurality of sensors including health monitoring sensors (210A-210K), inertial navigation sensors (230A-230J), position sensors (220A-220P), and a temperature sensor (280);

selecting, by the server cluster (150), a first set of sensor data comprising pedometer data, altitude data, blood pressure, heart beat, geographical data, accelerometer data, and blood sugar data, collected over a first period of time;

determining, by the server cluster (150), a first activity by comparing the first set of sensor data with predefined activity tables, wherein each activity table contains corresponding sensor data types and expected value ranges, and wherein the first activity is attributed to the user when the first set of sensor data matches the data types and value ranges of a corresponding activity table;

generating, by the server cluster (150), a performance metric corresponding to the first activity, wherein the performance metric represents performance of the user in relation to the first activity with respect to the first period of time;

comparing, by the server cluster (150), the performance metrics of the users of the first set of wearable devices (720-770) with the performance metric of the user of device (710) to determine similar performances, wherein the comparing comprises:

assigning a weightage to each parameter, including activity, sensor data, profile data, and preference data, based on degree of match between corresponding parameter values of the users measured on a predefined scale; and

assigning a priority to each parameter based on relative importance in a matching process;

determining matching users when weightage of at least three parameters exceeds a predefined threshold value, or when weightage of parameters having highest assigned priority exceeds the predefined threshold value; and

connecting, by the server cluster (150), the user of device (710) with the matching users of the wearable devices (720-770) when the matching users are determined to be within the vicinity of device (710); and

connecting the users exhibiting similar performance metrics through a social network platform when no matching users are determined to be within the vicinity of device (710).

2. The method as claimed in claim 1, wherein determining the first activity comprises:

determining the first activity as walking when the pedometer data is in the range of 30-50 counts per minute, the accelerometer data indicates a speed in the range of 2-5 km/hr, and the geographical data indicates a path on a reference map;

determining the first activity as running when the pedometer data is in the range of 50-100 counts per minute, the accelerometer data indicates a speed in the range of 5.1-10 km/hr, and the geographical data indicates a path on a reference map;

determining the first activity as cycling when the pedometer data is substantially zero, the accelerometer data indicates a speed in the range of 5.1-15 km/hr, the geographical data indicates a path on a reference map, and the heart beat is in the range of 90-120 beats per minute; and

determining the first activity as treadmill when the pedometer data is in the range of 30-100 counts per minute, the accelerometer data indicates a speed that is substantially zero, and the position data indicates a fixed location.

3. The method as claimed in claim 1, further comprising:

forming, by the server cluster (150), an activity profile from the sensor data measured during the first activity and the preference data; and

ranking, by the server cluster (150), the users of the wearable devices based on their performance level for the first activity measured over the first period of time, and storing the performance rank in the profile data of each respective user.

4. The method as claimed in claim 3, wherein the activity profile comprises calorie burnt, time of activity, distance covered, heart rate, pattern of activity, activity history, pace, and age, and wherein the preference data associated with the activity profile comprises food type, hobbies, sports, and interests.