

Claims

We claim,

1. A method of determining a liveability index of a geographical location, the method comprising:
monitoring environmental conditions and one or more activities of a user in a geographical location;
identifying a first set of data values relating to one or more first parameters based on said monitoring of environmental conditions and one or more activities of said user in said geographical location;
fetching a second set of data values relating to one or more of second parameters corresponding to said geographical location;
transmitting said first set of data values and second set of data values relating to one or more first parameters and second parameters to a server;
classifying each data value based on type of associated parameter, time of monitoring, location co-ordinates of said geographical location;
comparing each of classified data values with predefined data values;
computing the liveability index of said geographical location based on comparison of each of classified data values with predefined data values and weightage assigned to each parameter associated with said data values;
creating a liveability map based on computed liveability index;
and
rendering said liveability map along with liveability index to a user device.
2. The method as claimed in claim 1, further comprising:
providing a list of parameters to the user for selection;
receiving from the list one or more user selected parameters;
and

computing the liveability index based on data values corresponding to said one or more user selected parameters and creating the liveability map thereof.

3. The method as claimed in claim 1, further comprising:
analyzing a pre-stored profile of the user;
determining one or more parameters based on analysis of pre-stored profile of the user; and
computing the liveability index based on data values corresponding to determined one or more parameters based on the pre-stored profile of the user and creating the liveability map thereof.
4. The method as claimed in claim 3, wherein the pre-stored profile of the user includes details pertaining to income bracket of said user, family size, living style, past health history related details of the user, and a combination thereof.
5. The method as claimed in claim 1, further comprising:
creating a list of parameters essential for computing the liveability index of the geographical location; and
assigning weightages to each of said parameters essential for computing liveability index of geographical location.
6. The method as claimed in claim 5, wherein the weightages to each of said parameters are assigned automatically based on the profile of the user or assigned manually by the user.
7. The method as claimed in claim 5, wherein creating a list of parameters essential for computing the liveability index of the geographical location comprises:
identifying a list of one or more of first and second parameters having an impact on the liveability in the geographical location;
ascertaining the impact level of each of said one or more of first and second parameters; and
assigning weightage to each of said first and second parameters based on their ascertained impact factor.

8. The method as claimed in claim 7, further comprising:
defining permitted range values for each of said first and second parameters; and
classifying and indexing said one or more of first and second parameters based on one or more of permitted range values.
9. The method as claimed in claim 1, further comprising:
recommending the user to perform one or more activities, wherein said one or more activities is essential for identifying data values related to one or more first or second parameters.
10. The method as claimed in claim 9, further comprising:
providing to the user a step by step instruction module to perform said one or more recommended activities.
11. The method as claimed in claim 1, further comprising:
receiving manual inputs from the user in respect of the first and second data values associated with said one or more first and second parameters respectively.
12. The method as claimed in claim 1, further comprising:
computing a health index of the geographical location based on the parameters impacting health of an individual at the geographical location.
13. A system for determining a liveability index of a geographical location, the system comprising:
a smart device configured to monitor environmental conditions and one or more activities of a user in the geographical location;
a first processing unit configured to identify a first set of data values relating to one or more first parameters based on said monitoring of environmental conditions and one or more activities of said user in said geographical location and further configured to fetch a second set of data values relating to one or more of second parameters corresponding to said geographical location;

a transmitting unit configured to transmit the first set of data values and second set of data values to a server;

an analytical engine configured to classify each data value based on type of associated parameter, time of monitoring, location co-ordinates of said geographical location and further configured to compare each of classified data values with predefined data values;

a liveability index computing unit configured to compute the liveability index of said geographical location based on comparison of each of classified data values with predefined data values and weightage assigned to each parameter associated with said data values;

a liveability map generation unit configured to create a liveability map based on the computed liveability index; and

a display device configured to render said liveability map along with liveability index.

14. The system as claimed in claim 13, wherein the smart device is coupled to a plurality of sensors to monitor the environmental conditions and the one or more activities of the user in the geographical location and further, wherein the first processing unit is in operational interconnection with the sensors.
15. The system as claimed in claim 13, further comprising:
a recommendation unit configured to recommend the user to perform one or more activities, wherein said one or more activities are essential for identifying the data values related to the one or more first or second parameters.
16. The system as claimed in claim 13, wherein the recommendation engine is further configured to recommend to the user step by step instructions to perform said one or more recommended activities.

17. The system as claimed in claim 13, further comprising an analytical engine configured to: analyze a pre-stored profile of the user and determine one or more parameters based on analysis of pre-stored profile of the user.
18. The system as claimed in claim 17, wherein the liveability index computing unit is further configured to compute the liveability index based on data values corresponding to one or more parameters based on the pre-stored profile of the user.
19. The system as claimed in claim 13, wherein the liveability index computing unit is further configured to create a list of parameters essential for computing the liveability index of the geographical location; and assign weightages to each of said parameters essential for computing liveability index of the geographical location.
20. The system as claimed in claim 19, wherein the liveability index computing unit is further configured to:
identify a list of one or more of first and second parameters having an impact on the liveability in the geographical location;
ascertain the impact level of each of said of one or more of first and second parameters; and
assign weightage to each of said first and second parameters based on their ascertained impact factor.

Claims

We claim,

1. A method of determining a liveability index of a geographical location, the method comprising, characterised in that:
 - recommending, by a recommendation unit (224), a user to perform one or more activities via a user device, wherein the one or more activities are essential for identifying data values related to one or more first parameters;
 - monitoring, by a smart device (202), environmental conditions and the one or more activities of the user in the geographical location;
 - identifying, by a first processing unit (210), a first set of data values relating to the one or more first parameters based on the monitoring of the environmental conditions and the one or more activities of the user in the geographical location;
 - retrieving, by the first processing unit (210), a second set of data values relating to the one or more second parameters corresponding to the geographical location;
 - transmitting, by a transmitting unit (212), the first set of data values and the second set of data values relating to the one or more first parameters and the one or more second parameters to a server;
 - classifying, by an analytical engine (214), each data value in the first set and the second set of data values based on type of associated parameter, time of monitoring, location co-ordinates of the geographical location to generate classified data values;
 - comparing, by a liveability index computing unit (218), each of the classified data values with predefined data values;
 - computing, by the liveability index computing unit (218), the liveability index of the geographical location based on a comparison of each of the classified data values with predefined data values and weightage assigned to each parameter associated with the data values;
 - creating, by a liveability map generation unit (220), a liveability map based on computed liveability index; and
 - causing the said liveability map along with the liveability index as computed to be sent to a user device and rendered thereon.
2. The method as claimed in claim 1, comprising:

providing a list of parameters to the user for selection;
receiving from the list one or more user selected parameters; and
computing the liveability index based on data values corresponding to the one or more user selected parameters and creating the liveability map thereof.

3. The method as claimed in claim 1, comprising:
analyzing a pre-stored profile of the user;
determining one or more parameters based on analysis of pre-stored profile of the user; and
computing the liveability index based on data values corresponding to determined one or more parameters based on the pre-stored profile of the user and creating the liveability map thereof.
4. The method as claimed in claim 3, wherein the pre-stored profile of the user includes details pertaining to income bracket of the user, family size, living style, past health history related details of the user, and a combination thereof.
5. The method as claimed in claim 1, comprising: creating a list of parameters essential for computing the liveability index of the geographical location; and assigning weightages to each of the parameters essential for computing liveability index of the geographical location.
6. The method as claimed in claim 5, wherein the weightages assigned to each of the parameters are assigned automatically based on a pre-stored profile of the user or assigned manually by the user.
7. The method as claimed in claim 5, wherein creating the list of parameters essential for computing the liveability index of the geographical location comprises:
identifying a list of one or more of first and second parameters having an impact on the liveability index in the geographical location; and
ascertaining an impact level of each of said of the one or more of the first and second parameters; and assigning weightage to each of the one or more of the first and second parameters based on their ascertained impact factor.
8. The method as claimed in claim 7, comprising: defining permitted range values for each of the one or more first and second parameters; and classifying and indexing the one or more first and second parameters based on one or more of permitted range values.

9. The method as claimed in claim 1, further comprising: providing to the user device a step-by-step instruction module to perform the one or more activities as recommended.
10. The method as claimed in claim 1, comprising: receiving manual inputs from the user in respect of the first set and the second set of data values associated with the one or more first and second parameters, respectively.
11. The method as claimed in claim 1, comprising: computing a health index of the geographical location based on the parameters impacting health of an individual at the geographical location.
12. A system for determining a liveability index of a geographical location, the system comprising:
 - a liveability index computing unit configured to identify a list of one or more first parameters and one or more second parameters having an impact on liveability in the geographical location;
 - a smart device (202) configured to monitor environmental conditions and one or more activities of a user in the geographical location;
 - a first processing unit (210) configured to identify a first set of data values relating to the one or more first parameters based on a monitoring of the environmental conditions by the smart device (202) and the one or more activities of the user in the geographical location, and the first processing unit (210) being further configured to retrieve a second set of data values relating to the one or more second parameters corresponding to the geographical location;
 - a transmitting unit (212) configured to transmit the first set of data values and second set of data values to a server;
 - an analytical engine (214) configured to classify each data value in the first set and second set of data values based on type of associated parameter, time of monitoring, location co-ordinates of the geographical location to generate classified data values and the analytical engine being further configured to compare each of the classified data values with predefined data values;
 - a liveability index computing unit (218) configured to:
 - ascertain an impact level of each parameter of the one or more first parameters and the one or more second parameters in the list;
 - assign weightage to each parameter of the one or more first parameters and the one or more second parameters in the list based on their ascertained impact factor; and

compute the liveability index of the geographical location based on comparison of each of classified data values with predefined data values and the weightage assigned to each parameter of the one or more first parameters and the one or more second parameters associated with the data values;

a liveability map generation unit (220) configured to create a liveability map based on the computed liveability index; and

a display device (222) configured to render the liveability map along with liveability index.

13. The system as claimed in claim 12, wherein the smart device (202) is coupled to a plurality of sensors to monitor the environmental conditions and the one or more activities of the user in the geographical location and further, wherein the first processing unit (210) is in operational interconnection with the sensors (208).
14. The system as claimed in claim 12, comprising: a recommendation unit (224) configured to recommend the user to perform one or more activities, wherein the one or more activities are essential for identifying the data values related to the one or more first or second parameters.
15. The system as claimed in claim 12, wherein the recommendation unit (224) is further configured to recommend to the user step by step instructions to perform the one or more activities as recommended.
16. The system as claimed in claim 12, comprising an analytical engine (214) configured to analyze a pre-stored profile of the user and determine one or more parameters based on analysis of pre-stored profile of the user.
17. The system as claimed in claim 16, wherein the liveability index computing unit (218) is further configured to compute the liveability index based on data values corresponding to one or more parameters based on the pre-stored profile of the user.
18. The system as claimed in claim 12, wherein the liveability index computing unit (218) is further configured to create a list of parameters essential for computing the liveability index of the geographical location; and assign weightages to each of the parameters in the list essential for computing liveability index of the geographical location.