

Claims

WE CLAIM:

1. A system for generating notifications based on one or more queries associated with a user, the system comprising:

- a query input module (102) configured to receive one or more queries associated with a user, wherein the user inputs the one or more queries using at least one of a verbal communication means and a gesture means, characterized in that:

- a natural processing engine (NLP) engine (104) configured to determine a meaning of the one or more queries received through the verbal communication means;

- a gesture engine (110) configured to determine a meaning of the one or more queries received through the gesture means, wherein the gesture engine (110) comprises:

- a pattern recognition engine (112) configured to identify one or more gestures pertaining to an action performed by the user, with respect to the one or more queries, wherein the pattern recognition engine (112) compares the identified gesture with stored gesture context in a database of the gesture engine (110); and

- a gesture meaning unit (114) configured to determine the meaning of the one or more queries, based on the gesture identified by the pattern recognition engine, wherein once the gestures are matched with the gesture stored in the database, then the gesture meaning unit (114) correlates the database image with commands and pattern recognition engine (112), to determine the command matching the database image for determining the meaning of the gesture inputted by the user;

- a unit (116) in communication with one or more data sources, wherein the unit (116) receives the meaning of the one or more queries determined from at least one of the NLP engine (104) and the gesture engine (110), and wherein the unit (116) is configured to:

- identify one or more data sources required to resolve the one or more queries;

- identify one or more trigger points based on the data sources identified by utilizing a trigger point definition unit (124); and

- determine logical relationship between the one or more identified trigger points by utilizing a relationship definition unit (126); and

- an execution unit (200) in communication with the unit (116), wherein the execution unit (200) is configured to:

- generate one or more triggers pertaining to the data sources and the identified trigger points;

- evaluate the logical relationship between the one or more trigger points;
create one or more events when the logical relationship is successful; and
communicate the one or more events to an electronic device associated with the user.
2. The system as claimed in claim 1, wherein the NLP engine (104) comprises:
- a voice to text converter (106) configured to transcribe spoken words by the user while speaking out the one or more queries, into text; and
 - a command meaning unit (108) configured to determine the meaning of the one or more queries based on the text determined by the voice to text converter (106), wherein the command meaning unit prioritize one or more keywords based on current and ongoing activities of the user.
3. A method for generating notifications based on one or more queries associated with a user, the method comprising:
- identifying, by a pattern recognition engine (112), one or more gestures pertaining to an action performed by a user corresponding to one or more queries, wherein the pattern recognition engine (112) compares the identified gesture with stored gesture context in a database of the gesture engine (110);
 - determining, by a gesture meaning unit (114), meaning of the one or more queries, based on the gesture identified, wherein one or more keywords are prioritized based on current and ongoing activities of the user, wherein once the gestures are matched with the gesture stored in the database, then the gesture meaning unit (114) correlates the database image with commands and pattern recognition engine (112), to determine the command matching the database image for determining the meaning of the gesture inputted by the user
 - identifying, by a data source identification unit (122), at least one data source, among the one or more data sources, required to resolve the one or more queries;
 - identifying, by a trigger point definition unit (124), one or more trigger points based on the at least one data source identified;
 - determining, by a relationship definition unit (126), a logical relationship between the one or more trigger points based on a meaning of the one or more queries received, to generate one or more events;
 - communicating, by an execution unit, the one or more events to an electronic device associated with the user; and

generating one or more notifications pertaining to the one or more events generated.

4. The method as claimed in claim 3, wherein the one or more queries are received through verbal communication means, gesture means, or a combination of verbal communication means and gesture means.
5. The method as claimed in claim 3, wherein the method comprising:
 - transcribing spoken words by the user while speaking out the one or more queries, into text; and
 - determining a meaning of the one or more queries based on the text determined.
6. The method of claim 3, wherein the method comprising:
 - continuously receiving data from the identified data source;
 - determining whether a trigger must be generated based on the trigger point corresponding to the identified data source;
 - checking whether the logical relationship between the one or more trigger points is met; and
 - generating the one or more events when the logical relationship is met.