[0010] Aspects of the present invention are directed to solving all of these problems by providing systems and methods for creating and implementing an artificially intelligent computer personality, as discussed in detail below.

[0011] Applicant(s) hereby incorporate herein by reference any and all patents and published patent applications cited or referred to in this application.

SUMMARY

[0012] Aspects of the present invention teach certain benefits in construction and use which give rise to the exemplary advantages described below.

[0013] The present invention solves the problems described above by providing a system and associated methods for creating and implementing an artificially intelligent agent or system residing in memory on an at least one computing device. In at least one embodiment, a target personality is implemented in memory on the at least one computing device and configured for interacting with an at least one communicating entity through responding to an at least one conversational input received therefrom. An at least one artificially intelligent conversational personality is also implemented in memory on the at least one computing device, each conversational personality configured for conversing with the target personality as needed in order to provide the target personality with appropriate knowledge and associated responses. For each conversational input received by the target personality, the conversational input is first processed to derive an at least one core meaning associated therewith. An appropriate raw response is determined for the at least one core meaning. The raw response is then formatted before being transmitted to the communicating entity. Thus, the target personality is capable of carrying on a conversation, even if one or more responses provided by the target personality are obtained in real-time from the at least one conversational personality, all while dynamically increasing the artificial intelligence of the target personality.

[0013a] In one aspect, there is provided a method for creating and implementing an artificially intelligent agent residing in memory on an at least one computing device and configured for taking appropriate action in response to an at least one conversational input, the method comprising the steps of: implementing a target personality of the agent in memory on the at least one computing device; implementing an at least one artificially intelligent conversational personality in memory on the at least one computing device, each conversational personality configured for conversing with the target personality as needed in order to provide the target personality with appropriate knowledge and associated responses; allowing an at least one communicating entity to interact with the target personality by receiving the at least one conversational input from the communicating entity; and for each conversational input received by the target personality: processing the conversational input to derive an at least one core meaning associated therewith; determining an appropriate raw response for the at least one core meaning; formatting the raw response; and transmitting the formatted response to the communicating entity; whereby, the target personality of the agent is capable of carrying on a conversation, even if one or more responses provided by the target personality are obtained in real-time from the at least one conversational personality, all while dynamically increasing the artificial intelligence of the target personality.

[0013b] In another aspect, there is provided a method for creating and implementing an artificially intelligent agent residing in memory on an at least one computing device and configured for taking appropriate action in response to an at least one conversational input, the method comprising the steps of: implementing a target personality of the agent in memory on the at least one computing device; implementing an at least one artificially intelligent conversational personality in memory on the at least one computing device, each conversational personality configured for conversing with the target personality as needed in order to provide the target personality with appropriate knowledge and associated responses; allowing an at least one communicating entity to interact with the target personality by receiving the at least one conversational input from the communicating entity; implementing an at least one teacher personality in memory on the at least one computing device, each teacher personality configured for functioning as a communicating entity by transmitting to the target personality a set of pre-defined conversational inputs so that the target personality may learn how to appropriately respond to the conversational inputs through interacting with and receiving appropriate responses from the at least one conversational personality; and for each conversational input received by the target personality: processing the conversational input to derive an at least one core meaning associated therewith; determining an appropriate raw response for the at least one core meaning; formatting the raw response; and transmitting the formatted response to the communicating entity; whereby, the target personality of the agent is capable of carrying on a

conversation, even if one or more responses provided by the target personality are obtained in real-time from the at least one conversational personality, all while dynamically increasing the artificial intelligence of the target personality.

[0013c] In yet another aspect, there is provided a system for creating and implementing an artificially intelligent agent residing in memory on an at least one computing device, the system comprising: a target personality residing in memory on the at least one computing device and comprising a pre-processor, a logic processor, and a post-processor, the target personality configured for interacting with an at least one communicating entity through responding to an at least one conversational input received therefrom; the pre-processor configured for processing each conversational input to derive an at least one core meaning associated therewith; the logic processor configured for determining an appropriate raw response for the at least one core meaning; the post-processor configured for formatting the raw response; an at least one artificially intelligent conversational personality residing in memory on the at least one computing device, each conversational personality configured for conversing with the target personality as needed in order to provide the target personality with appropriate knowledge and associated responses; an at least one teacher personality residing in memory on the at least one computing device, each teacher personality configured for transmitting to the target personality a set of pre-defined conversational inputs so that the target personality may learn how to appropriately respond to the conversational inputs through interacting with and receiving appropriate responses from the at least one conversational personality; wherein, upon the target personality receiving said at least one conversational input, the target personality is configured for: for each conversational input received by the target personality: processing the conversational input to derive an at least one core meaning associated therewith; determining an appropriate raw response for the at least one core meaning; formatting the raw response; and transmitting the formatted response to the communicating entity; whereby, the target personality is capable of carrying on a conversation, even if one or more responses provided by the target personality are obtained in real-time from the at least one conversational personality, all while dynamically increasing the artificial intelligence of the target personality.

[0014] Other features and advantages of aspects of the present invention will become apparent from the following more detailed description, taken in conjunction with the