CLAIMS

1. A data processing method for limit management in a financial institution, the method comprises:

receiving by a processor at least one entity data attributes;

receiving a selection of a facility data attributes based on requirement of at least one entity;

analyzing a set of data models stored in a data model database to identify at least one model for processing the received entity data attributes and facility data attributes;

processing the received entity data attributes, facility data attributes and a set of associated parameters of the facility data based on the at least one identified data model for determining the requirement of the at least one entity;

AI based processing of a data matrix and the identified data model to determine by a controller at least one limit set for processing the requirement wherein the data matrix includes entity data attributes and facility data attributes; and

functioning a limit management application, on a seeded data and generating mapping structures or codes on basis of the seeded data thereby enabling real time processing of the received entity data attributes within the limit management application upon receipt of new or modified policy data.

2. The method of claim 1 wherein the entity data attributes includes location of entity, business or profession of entity and age of entity.

3. The method of claim 1 wherein the facility data attributes includes data related to the requirement of the entity like for term loan facility the data attributes are location, facility tenor and amortization type.

4. The method of claim 1 wherein the received entity data attributes, facility data attributes and associated parameters are compared with a set of limit data stored in a limit database to process the requirement.

5. The method of claim 3 wherein for processing the requirement, the received entity data attribute, facility data attribute is identified, sorted, classified and analyzed as part of comparison with the set of stored limit data.

6. The method of claim 1 further comprises the step of generating the data matrix that enables identification of the limit data to process the requirement.

7. The method of claim 1 further comprises storing a set of rules or protocols in a memory to be executed by an AI engine coupled to a processor for generating a plurality of data models associated with the entity data to identify the at least one model.

8. A data processing system for limit management in a financial institution, the system comprises:

an electronic user interface configured for operating on a limit management application;

at least one entity database configured for storing a plurality of entity data attributes and a set of associated parameters of the entity data;

at least one facility database configured for storing a plurality of facility data attributes and a set of associated parameters of the facility data;

a controller encoded with instructions enabling the controller to function as a bot wherein the controller is configured to perform functions of:

analyzing a set of data models stored in a data model database to identify at least one model for processing the received entity data attributes and facility data attributes;

processing the received entity data attributes, facility data attributes and a set of associated parameters of the facility data based on the at least one identified data model for determining the requirement of the at least one entity; and

a processor coupled to the controller for AI based processing of a data matrix and the identified data model to determine at least one limit set for processing the requirement wherein the data matrix includes entity data attributes and facility data attributes;

characterized in that

the limit management application functions on a seeded data and generates mapping structures or codes on basis of the seeded data thereby enabling real time processing of the received entity data attributes within the limit management application upon receipt of new or modified policy data.

9. The system of claim 8 wherein the artificial intelligence-based AI engine is configured for processing a plurality of data models associated with the entity data for identifying a data model to process the requirement based on the data matrix.

10. The system of claim 8 further comprises a natural language processing (NLP) server configured for processing protocols based on the identified data models to determine the limit.

11. The system of claim 8 wherein the user interface and an underlying logic of the limit management application is based on the seeded mapping wherein on introduction of any new or modified data the system automatically reconfigures the underlining seeded mapping structure of the application.

12. The system of claim 8 wherein the data matrix enables identification of the limit data to process the requirement.

13. The system of claim 8 wherein a set of rules or protocols is stored in a memory to be executed by the AI engine coupled to a processor for generating a plurality of data models associated with the entity data to identify the at least one model.

14. A computer-readable non-transitory storage medium storing executable program instructions for data processing for limit management in a financial institution which when executed by a computer cause the computer to perform operations comprising:

receiving by a processor at least one entity data attributes;

receiving a selection of a facility data attributes based on requirement of at least one entity;

analyzing a set of data models stored in a data model database to identify at least one model for processing the received entity data attributes and facility data attributes;

processing the received entity data attributes, facility data attributes and a set of associated parameters of the facility data based on the at least one identified data model for determining the requirement of the at least one entity;

AI based processing of a data matrix and the identified data model to determine by a controller at least one limit set for processing the requirement wherein the data matrix includes entity data attributes and facility data attributes; and

functioning a limit management application, on a seeded data and generating mapping structures or codes on basis of the seeded data thereby enabling real time processing of the received entity data attributes within the limit management application upon receipt of new or modified policy data.

15. The computer-readable storage medium of claim 14 further comprises executable program instructions in a memory to be executed for generating a plurality of data models.

16. The computer-readable storage medium of claim 15 further storing instructions that cause the processor to automatically add storage for storing the data models.