Project Design Phase-II
Data Flow Diagram & User Stories

Date	03 October 2022
Team ID	PNT2022TMID1368
Project Name	Project – Natural Disasters Intensity Analysis and Classification using Artificial Intelligence
Maximum Marks	4 Marks

Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.
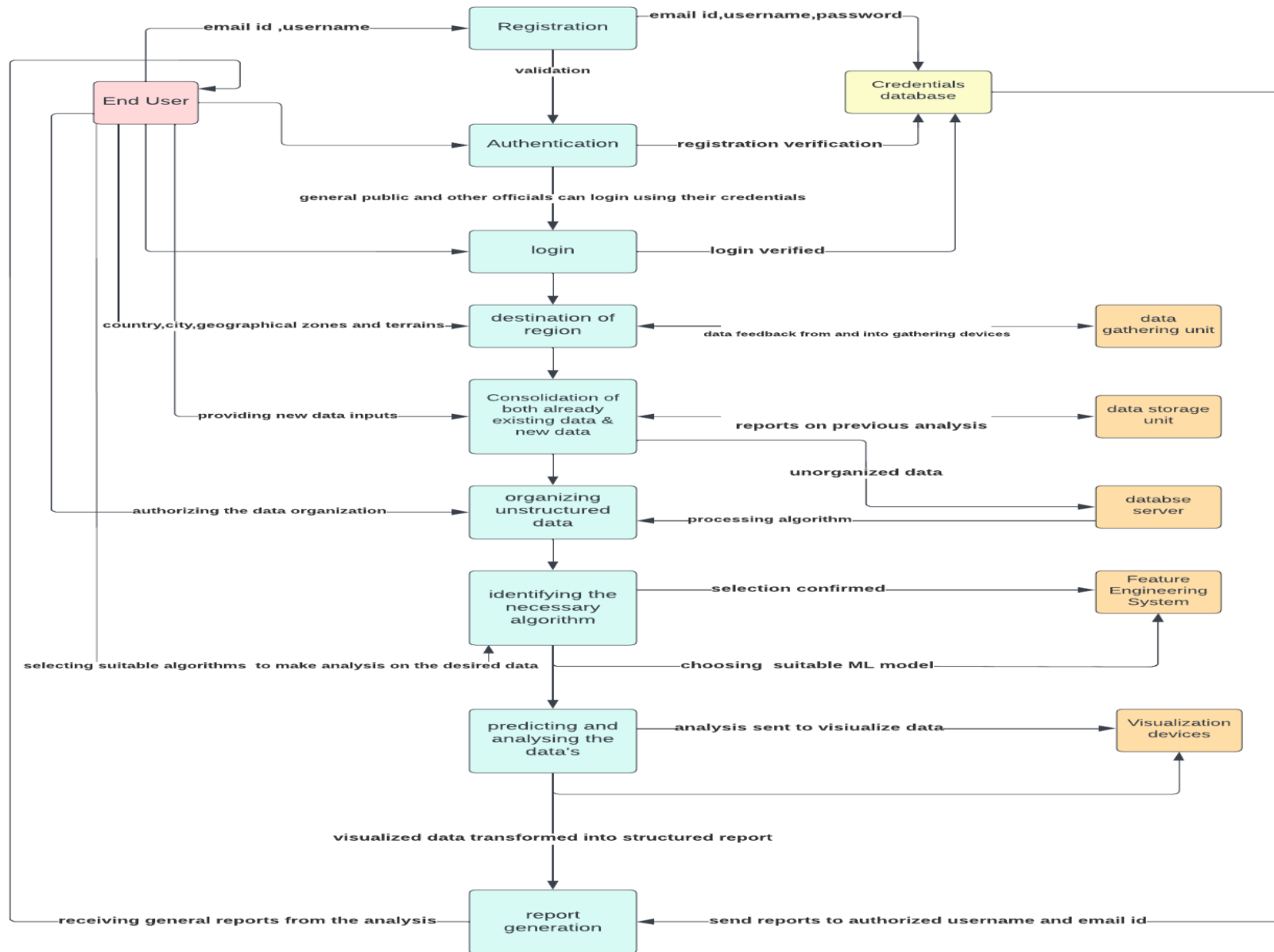
User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
End user (Customer)	Registration	USN - 1	As a user, I am able toregister with the product using my validemail address	I should be able to register with my account credentials	High	Sprint - 1
End User (Customer)	Authentication	USN - 2	As a user, I am able tologin into the system with my credentials	It should ensure smooth login capabilities withoutdelay	High	Sprint - 1
End User (Customer)	Designation of Region	USN - 3	I can select the regionof interest to be monitored and analyzed	I must be able tochoose certain specific places without error	High	Sprint - 1
End User (Customer)	Analysis of Required Phenomenon	USN - 4	I am able to monitor certain factors that influence the actions ofthe phenomenon	It should considerand monitor mostof the factors involved in the action	High	Sprint - 2
End User (Customer)	Consolidation of both already exsiting data&new data	USN - 5	I am able to gather data regarding past events and a detailed report on past analysis	It should allow thestorage of data ofpast events for certain extent	Medium	Sprint - 2
End User (Customer)	Organizing Unstructureddata	USN - 6	I am able to organizeand restructure the raw data into refined data	It should ensure easy and efficientprocessing methods	Low	Sprint - 3
End User (Customer)	Algorithmselection	USN - 7	I am able to choose the required algorithmfor a specific analysis	It must provide various options forthe algorithm to be used	High	Sprint - 2
End User (Customer)	Prediction and analysis of data	USN - 8	I am able to easily predict and visualizethe data	It should allow easyto use prediction and visualization techniques	High	Sprint - 3
End User (Customer)	Report generation	USN - 9	I am able to generatea clear and detailed report on the analysis	Report generation must be fast and efficient and should not be complex	Medium	Sprint - 4