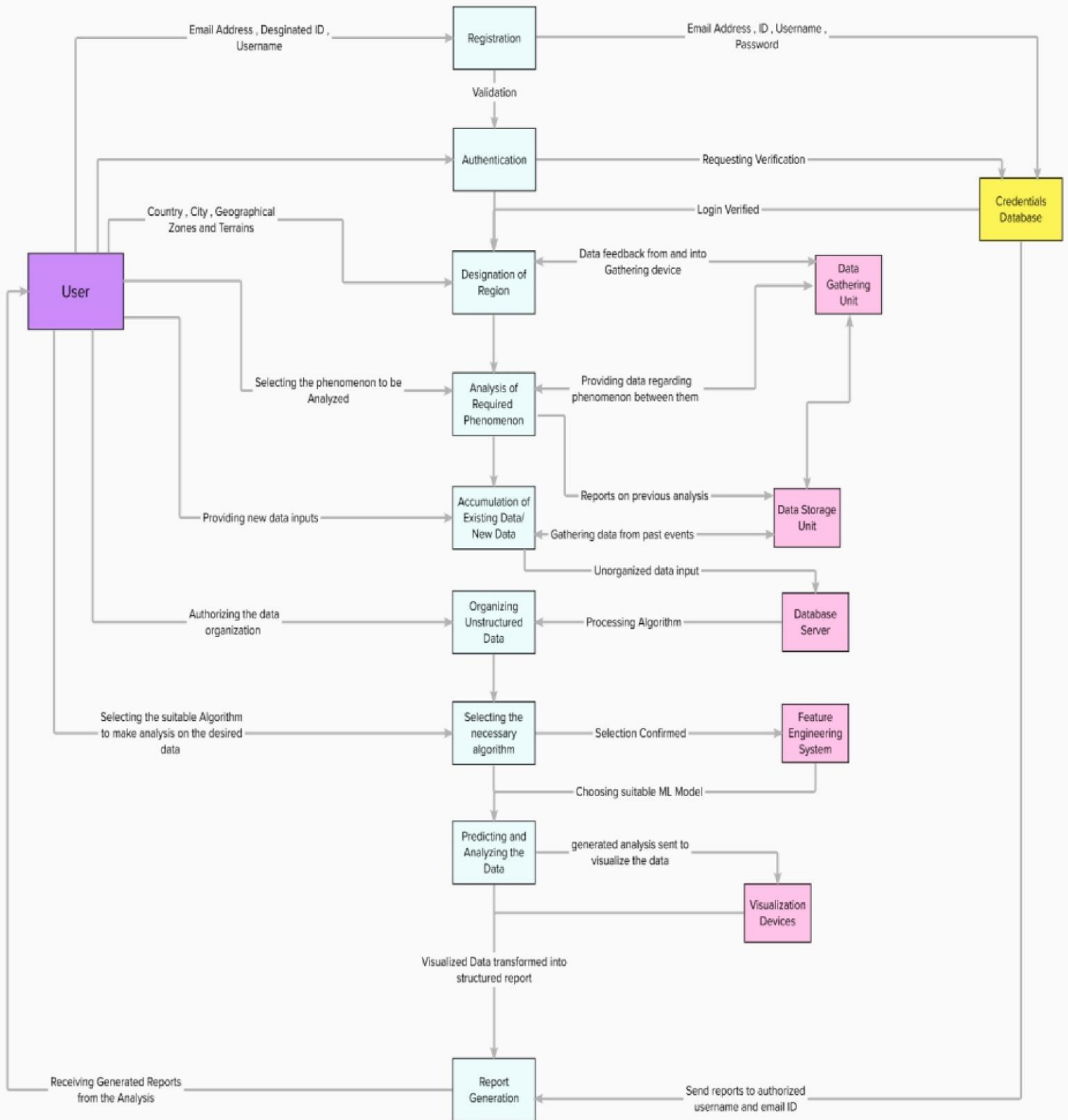


## **Project Design Phase-II Data Flow Diagram & User Stories**

### **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 :**

<b>User Type</b>	<b>Functional Requirement (Epic)</b>	<b>User Story Number (USN)</b>	<b>User Story / Task</b>	<b>Acceptance criteria</b>	<b>Priority</b>	<b>Release</b>
End user (Customer)	Registration	USN - 1	As a user, I am able to register with the product using my valid email 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 to login into the system with my credentials	It should ensure smooth login capabilities without delay	High	Sprint - 1
End User (Customer)	Designation of Region	USN - 3	I can select the region of interest to be monitored and analyzed	I must be able to choose 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 of the phenomenon	It should consider and monitor most of the factors involved in the action	High	Sprint - 2
End User (Customer)	Accumulation of required Data	USN - 5	I am able to gather data regarding past events and a detailed report on past analysis	It should allow the storage of data of past events for certain extent	Medium	Sprint - 2
End User (Customer)	Organizing Unstructured data	USN - 6	I am able to organize and restructure the raw data into refined data	It should ensure easy and efficient processing methods	Low	Sprint - 3

End User (Customer)	Algorithm selection	USN - 7	I am able to choose the required algorithm for a specific analysis	It must provide various options for the algorithm to be used	High	Sprint - 2
End User (Customer)	Prediction and analysis of data	USN - 8	I am able to easily predict and visualize the data	It should allow easy to use prediction and visualization techniques	High	Sprint - 3

End User (Customer)	Report generation	USN - 9	I am able to generate a clear and detailed report on the analysis	Report generation must be fast and efficient and should not be complex	Medium	Sprint - 4
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