

Project Design Phase-II

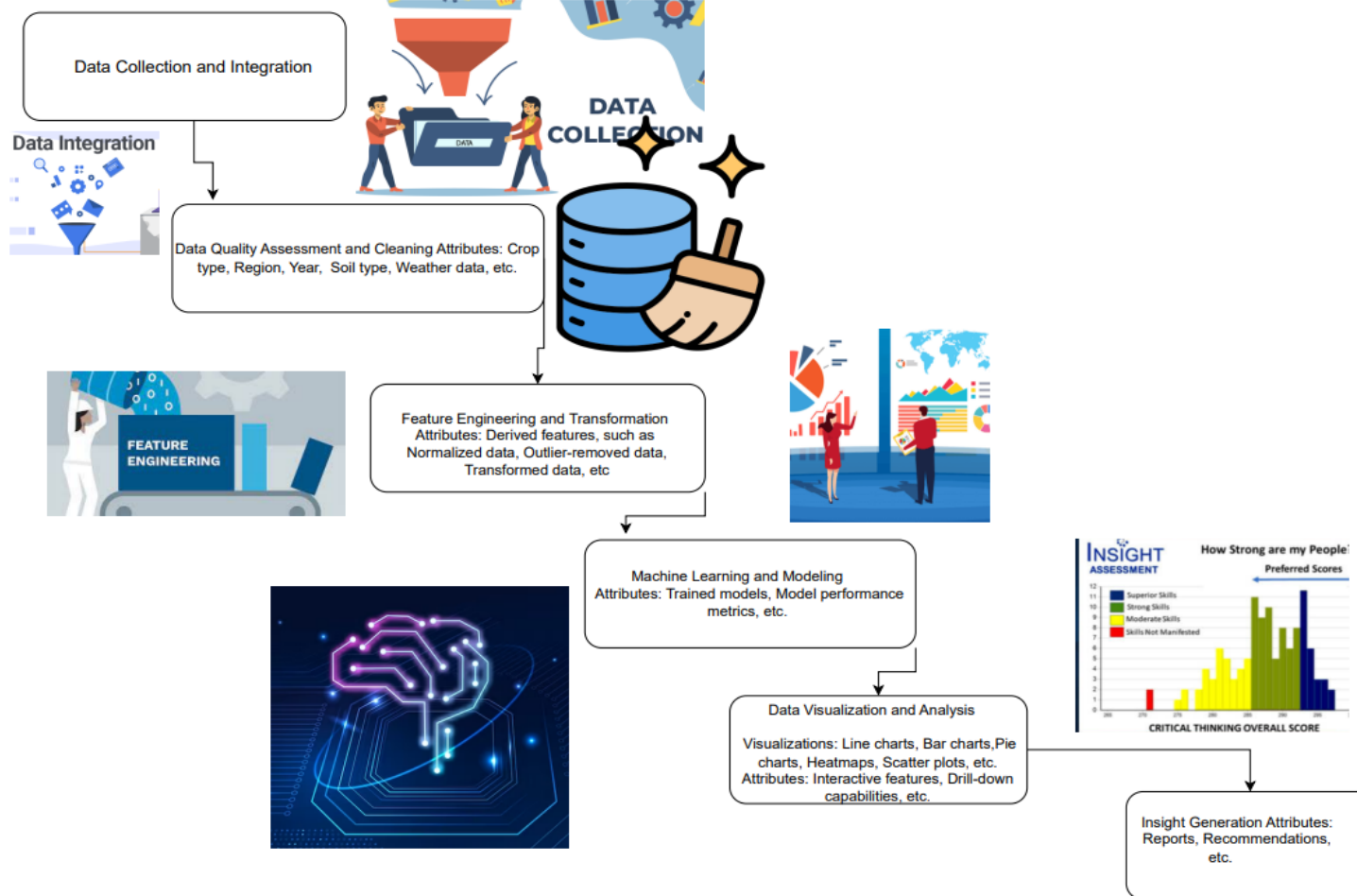
Data Flow Diagram

Date	21-10-2023
Team ID	Team-591242
Project Name	India's Agricultural Crop Production Analysis
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.

Level 0 DFD (Context Diagram):

Data Flow Diagram of India's Agricultural Crop Production Analysis



User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
user	Registration	USN-1	As a user, I can register for the application by entering y email, password, and confirming my password	I can access my account/dashboard	high	Sprint-1
Stakeholder (Government Agriculture Official)	Data Retrieval and Analysis	USN-1	As a user, I want to access historical crop production data through a user-friendly interface so that I can make informed policy decisions and resource allocation.	Access to a user-friendly web interface for data retrieval.	High	Sprint-1
Stakeholder (Researcher)	Advanced Data Query and Retrieval	USN-1	As a user, I want to retrieve detailed crop production statistics, including yield and acreage, for specific regions to support my academic studies.	Ability to query specific crop data by region and year.	High	Sprint-1

End user (Farmer)	Data Visualization	USN-1	As a user, I want to visualize crop production trends in my region over the past decade, allowing me to make more informed planting decisions.	Access to interactive data visualizations by region and crop type.	Medium	Sprint-2
Stakeholder (Journalist)	Weather-Crop Correlation Visualizations	USN-1	As a user, I need access to data visualizations that clearly show the impact of weather patterns on crop yields so that I can provide accurate reporting on agricultural issues.	Access to visualizations showing the correlation between weather data and crop yields.	Medium	Sprint-2
End user (Student)	Educational Data Visualizations	USN-1	As a user, I want to explore interactive visualizations of crop production data to deepen my understanding of agriculture in India for my coursework.	Visualizations should be educational and informative and User guide or tooltips for understanding the visualizations	Low	Sprint-3
		USN-2	As a user I will receive conformation email once I have register for the application	I can receive conformation email and click conform	high	Sprint-1

		USN-3	As a user, I can register for the application through Facebook, linkdin	I can reigister and access the dashboard with Facebook Login and Linkdin login	low	Sprint-2
		USN-4	As a user, I can register for the application through Gmail		medium	Sprint-1
	Login	USN-5	As a user, I can log into the application by entering email and password		high	Sprint-1