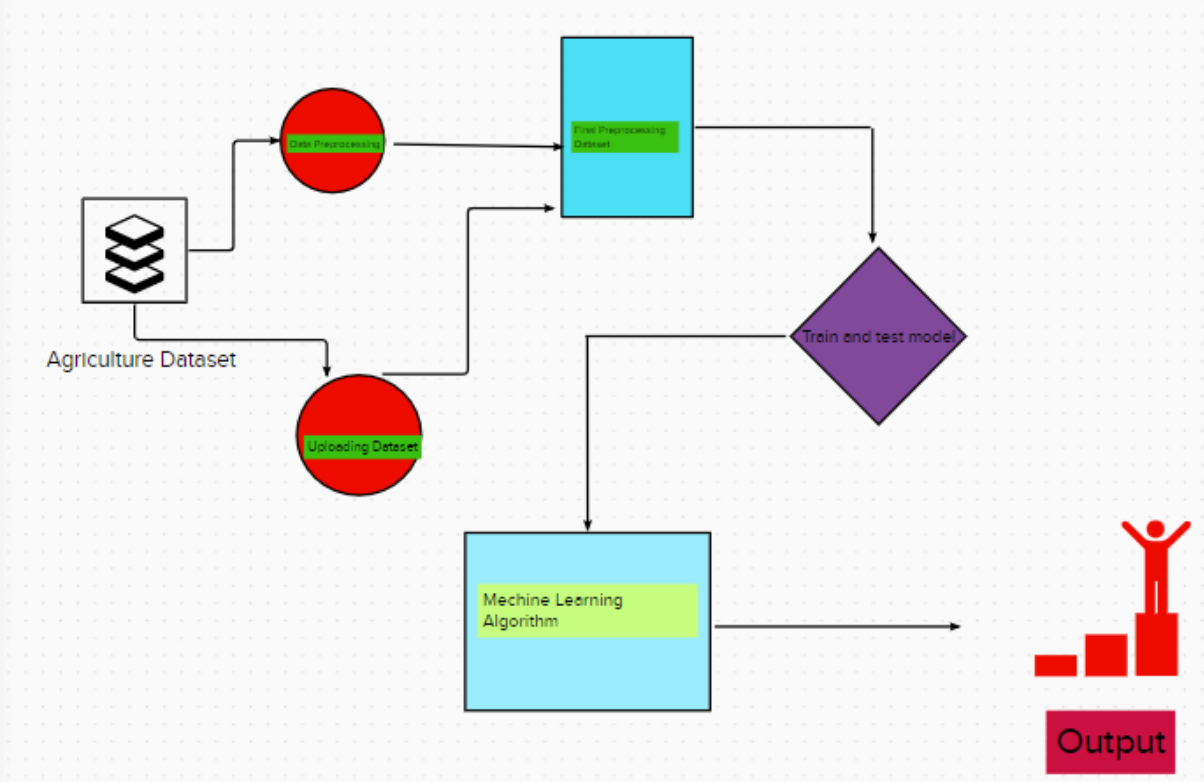
PROJECT DESIGN PHASE – II
Data Flow Diagram

Date	6.11.2022
Team ID	PNT2022TMID46328
Project Name	Estimation of crop yield using data analytics.
Maximum Marks	4 Marks

DATA FLOW DIAGRAM

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
Customer (Mobile user)	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	I can access my account / dashboard	High
		USN-2	As a user, I will receive confirmation email once I have registered for the application	I can receive confirmation email & click confirm	High
		USN-3	As a user, I can register for the application through gmail or facebook	I can register & access the dashboard with Facebook Login	Medium
	Login	USN-4	As a user, I can log into the application by entering email & password	I can login to the application	High
	Dashboard	USN-5	Go to dashboard and refer the content about our project	I can read instructions also and the home page is user-friendly.	Low
	Upload Dataset	USN-6	As a user, I can able to input the agricultural datasets to the application	As a user, I can able to input the agricultural datasets to the application	High
	Exploratory Data Analysis	USN-7	As a user I can able to get the recognised datasets as output from the agricultural datasets.	I can access the Exploratory Data Analysis-(Exploratory Data Analysis, or EDA, is the machine learning) Understanding	High

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				the patterns and trends in the data is the goal of data exploration. All of the useful insights are drawn at this point, and the relationships between the variables are recognized.	
	Build a ML model	USN-8	As a user, I will train and test the datasets obtained from the agricultural datasets as input to get the maximum accuracy of output.	The Machine Learning Model is built using all of the insights and patterns discovered during Data Exploration. The data set is always separated into two parts, training data and testing data, at this stage. The model will be built and analyzed using the training data. The model's logic is based on the Machine Learning Algorithm that is currently in use.	Low
	Predict	USN-9	As a user I can able to predict the model and then it is used to make predictions after it has been validated and modified.	I can able to predict the. Crop yield production based on user inputs and it is used to produce the accurate output	High
Customer (Web user)	Login	USN-10	As a user, I can use the application by entering my email, password.	I can access my account	Medium
Customer Care Executive	Dashboard	USN-11	upload the image	Recognize and get the output	High
Administrator	Security	USN-12	updated the features	checking the security	Medium