Project Design Phase-II
Data Flow Diagram & User Stories

Date	03 October 2022
Team ID	PNT2022TMID24195
Project Name	Project –Estimate Crop yield using data Analytics
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

The list all the user stories for the product.
User Stories

Use the below template to list all the user stories for the product.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Farmer)	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	Sprint-1
		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	Sprint-1
		USN-3	As a user, I can register for the application through Whatsapp , Facebook	I can register & access the dashboard with Whatsapp , Facebook	Low	Sprint-1

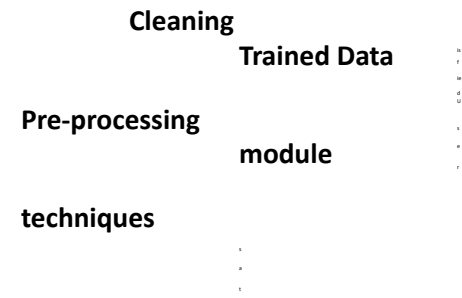|				Login		
	Required Data	-	Cropping history , profit and loss in their farming	Past dataset of cropping and field estimation of crop yield	High	Sprint-2
	Analysis		Clean and analyse to data according to the set past data		HIgh	Sprint-3
Customer Care Executive	Customer Care Executive (Communication)		As a user, i can provide support systems for companies that often communicate with the customers	I can maintain strong relationships with customer and client ,so I can ease their queries and increase productivity	medium	Sprint-4
Estimator	Estimation		As a user,i can see all the items we will try to estimate this session	I have a feel for the size of the various items in the product based	Medium	Sprint-4

Data Flow :

Data Flow

Data Flow

User stories , Query and past

Data of estimated crop yield

Cleaning

Trained Data

Pre-processing

module

techniques

Interactive Dashboard Visuals using IBM cognos

Presentation of Data report to user